

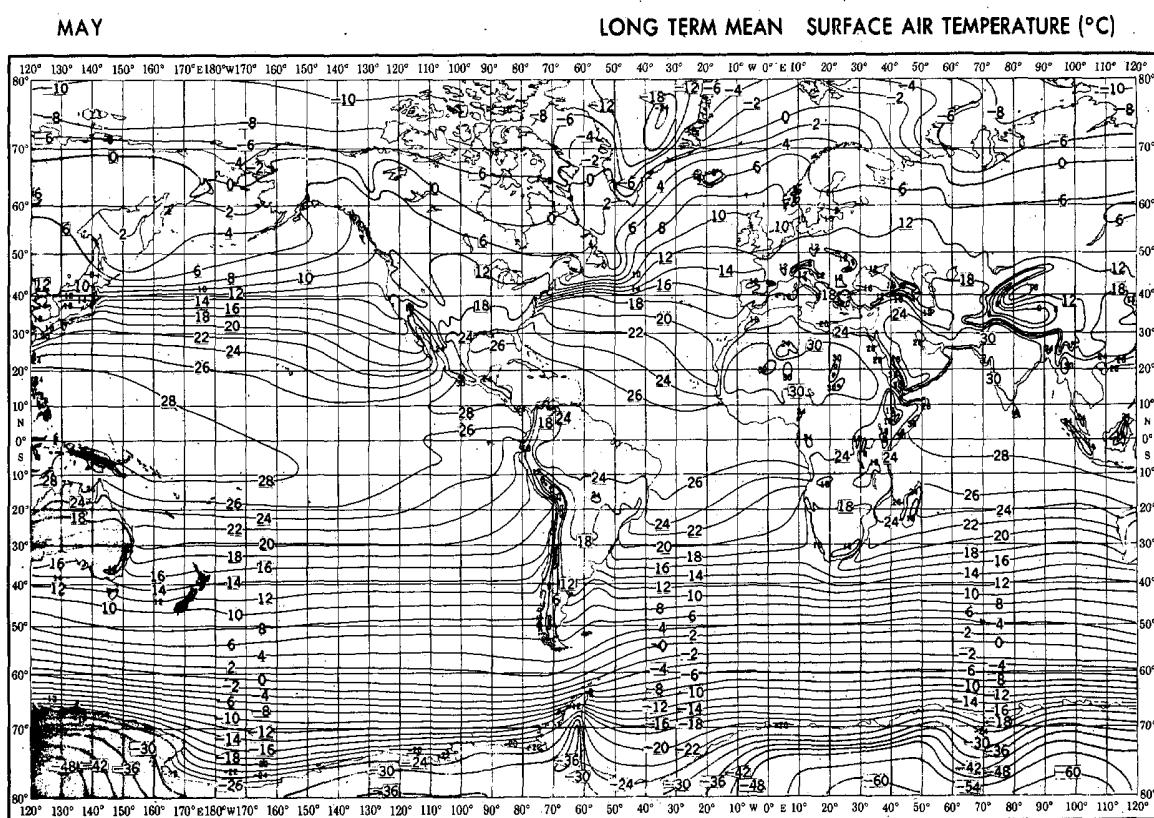
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MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE
WORLD METEOROLOGICAL ORGANIZATION



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ATMOSPHERIC ADMINISTRATION AND INFORMATION SERVICE ASHEVILLE, NORTH CAROLINA

PREFACE

Monthly Climatic Data for the World (MCDW) is a publication of monthly summary climatic data from around the world. Data are prepared by Members of the World Meteorological Organization (WMO) for selected stations and exchanged monthly via international telecommunications under provisions of the WMO Technical Regulations, WMO Publications No. 306 (Manual on Codes) and No. 386 (Manual on the Global Telecommunications System). Data used in MCDW are translated from CLIMAT, CLIMAT SHIP, CLIMAT TEMP and CLIMAT TEMP SHIP codes. WMO No. 9 (Weather Reporting), Vol. A - Stations indicates stations that report in these codes. MCDW is sponsored by the WMO in accordance with Resolution 27 of the Second World Meteorological Congress, 1955. Percent of average sunshine was authorized during the Fourth Session (Stockholm 1965) of the WMO Commission for Climatology and recorded in the General Summary of the Report - WMO NO.177.RP.65. It is published by the United States National Oceanic and Atmospheric Administration.

REFERENCE NOTES

Names of countries [areas] and stations are those used in WMO Publication No. 9, Vol. A - Stations, except that long names may be shortened. Only those stations authorized as contributors by the WMO in VOLUME A are published. "Means" and "totals" mentioned below are monthly summary means and totals. Units abbreviations: celsius = °C, degrees = °, geopotential meters = gpm, meters = m, millibars (hectopascals) = mb, millimeters = mm, minutes = ', percent = %.

The long term surface data averages required for these tables were calculated for 1951 - 1980 from data received at the National Climatic Data Center during those years. Six years of data were considered to be the minimum for calculations.

Departures are differences between data and the averages for that month. Precipitation departure of "T" or "-T" indicates a difference less than 0.5 mm from average.

Provisional upper air normals, although not published in this bulletin, can be obtained from WMO Pub. No. 170. A description of procedures used by Members appeared in Monthly Climatic Data for the World, 1967 Supplement -- computation of CLIMAT TEMP values.

Late reports and corrections are published when received, except that data more than five years old are not published. The Corrections sections include corrections to past data. In these, "M" indicates the data should be deleted. Some late reports of pre-1987 data may appear in the Corrections sections, beginning in the January 1987 issue. This may continue in later issues until pre-1987 data are no longer received or until they become five years old.

The data received by the publisher often contain errors. A reasonable effort is made to correct errors; but some may appear in the publication, especially if the errors are subtle or were part of a large group of errors.

The station list appears at the back of the publication. In January and July, all CLIMAT (C) and CLIMAT TEMP (T) stations from WMO Pub. No. 9, Vol. A are listed. This is the complete published station set. In other months, the list contains only those stations from which data no more than two months old have been recently received.

SURFACE DATA TABLES

DAYS OBS.: The number of days on which observations were taken. Column will be blank if days are not reported.
PRESSURE: Mean station pressure at station level and sea level in tenths of mb. In the sea level pressure column, Y or Z indicates the number is the mean height in gpm of the 850 mb or 700 mb pressure surface, respectively.
TEMPERATURE: Mean temperature and departure from average value in degrees C. "S" indicates sea surface temperature.
DAYS 1 MM: The number of days on which precipitation was 1 mm or more.
PRECIPITATION: Total precipitation and departure from average in mm. "T" indicates an amount less than 0.5 mm.
QUINTILE: Frequency group of precipitation totals. Group numbers are 0 - 6. Groups 0 and 6 are for totals less than and greater than any recorded in the 1951 - 1980 reference period.
% OF AV.: Sunshine total hours expressed as a percentage of long-term average.

In January 1987, the "Sunshine" column was changed to include both total sunshine in hours and the percentage of long-term average.

Included in this publication on an interim basis are a group of US surface stations that are not in WMO No. 9. These stations will be sponsored as CLIMAT stations in the near future.

UPPER AIR DATA TABLES

HEIGHT: Mean height of pressure surfaces in gpm. Asterisk (*) indicates station elevation.
VECTOR WIND: Direction of mean vector wind in degrees, speed in mps. Double asterisk (**) is wind speed < 0.5 mps.
When missing "days" equals 9, nine or more days of wind data are missing.
STEADINESS: Ratio of mean vector wind speed to mean scalar wind speed.
OB: Observation time code: 1 = 0000 GMT, 2 = 1200 GMT, 3 = 0000 and 1200 GMT, / = other hours.

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN	STATION	MEAN	SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAY 1 MM	TOTAL	% OF AV.
					mb		mb	°C	mb	°C	mb	mb	mm	mm	%
EUROPE	0°	0°	3	9	1015.8	1016.9	0.2	-0.9	5.3	0.5	4	41	4	4	
NORWAY															
JAN MAYEN	7056N	00840W	9	1012.8	1016.5	-3.4	3.7								
SVALBARD LUFTHAVN	7815N	01528E	29	1013.9	1015.0	4.5	-0.3	5.7	0.0	10	42	-5	3		
TROMSO/LANGNES	6941N	01855E	10	1014.7	1016.5	-1.1	0.3	4.9	0.2	8	22	4	4		
BJORNOYA	7431N	01901E	14	1013.3	1015.0	2.2	-0.3	5.9	-0.2	8	27	-2	3		
VARDO	7022N	03106E	15	1013.2	1014.7	5.9	-0.9	6.4	-0.3	10	83	37	5		
BODO VI	6716N	01422E	13	1013.3	1014.4	7.5	-0.7	8.1	-0.1	11	57	4	3		
ORLAND III	6342N	00936E	7	987.8	1012.4	8.2	-0.8	7.1	-0.4	11	49	-13	2		
OSLO/GARDERMOEN	6012N	01105E	204	1012.8	1013.9	8.2	-1.4	8.6	-0.3	11	58	-4	3		
STAVANGER/SOLA	5853N	00538E	9												
SWEDEN															
KARESUANDO	6827N	02230E	327	31	1014.9	2.5	-0.4	5.1	-0.4	8	38	7	4	104	
HAPARANDA	6550N	02409E	6	31	1014.8	5.7	0.0	7.1	0.6	8	32	-2	3	102	
OSTERSUND/FROSON	6311N	01430E	366	31	1014.5	5.1	-2.0	6.1	-0.7	10	62	25	5	82	
HARNOSAND	6238N	01757E	8	31	1013.9	6.0	-1.4	6.6	-0.7	9	58	19	5	93	
KARLSTAD FLYGPLATS	5922N	01328E	55	31	1012.6	8.2	-1.6	7.4	-0.7	11	81	41	5	79	
GOTEborg/SAVE	5747N	01153E	53	31	1012.6	9.2	-1.7	8.5	-0.3	9	55	11	4	75	
JONKOPING FLYGPLATS	5745N	01405E	232	31	1011.9	7.7	-1.7	7.6	-0.9	11	63	18	5	88	
VISBY FLYGPLATS	5740N	01821E	47	31	1012.6	7.7	-1.0	8.5	0.1	11	49	17	4	77	
FINLAND															
SODANKYLA	6722N	02639E	179	992.6	1014.6	4.4	-0.3	5.5	0.1	8	24	-8	2		
KAJAANI	6417N	02741E	136	997.3	1013.8	6.9	-0.2	7.1	0.7	7	39	4	3		
VAASA	6303N	02146E	4	1012.1	1013.1	6.8	-1.0	6.6	-0.5	7	30	-1	3		
JYVASKYLA	6224N	02541E	145	994.9	1012.5	7.0	-1.2	6.9	-0.1	8	54	15	4		
JKIOINEN	6049N	02330E	103	999.8	1012.4	7.6	-1.5	7.5	0.1	6	38	5	4		
TURKU	6031N	02216E	59	1005.3	1012.4	7.8	-1.4	7.2	-0.3	6	55	25	5		
HELSINKI-VANTAA	6019N	02458E	56	1005.5	1012.4	8.4	-0.9	7.4	-0.1	8	50	16	5		
UNITED KINGDOM															
LERWICK	6008N	00111W	84	1007.0	1017.1	7.1	-0.4	8.0	-0.8	10	40	-21	2	177	107
STORNOWAY	5813N	00619W	13	1017.0	1018.8	8.2	-0.9	8.8	-0.9	16	65	4	3	183	94
ABERDEEN/DYCE	5712N	00213W	65	1010.2	1018.1	8.5	-0.5	8.7	-0.4	9	40	-20	2	171	94
TIREE	5630N	00653W	12	1018.2	1019.3	9.3	-0.5	9.9	-0.2	8	67	10	3	219	95
EDINBURGH AIRPORT	5557N	00321W	41	1014.3	1018.7	9.1	-0.9	8.6	-0.6	8	35	-16	2	160	85
ESKDALEMUIR	5519N	00312W	242	989.3	1018.8	7.8	-0.9	8.4	-0.2	11	68	-26	2	176	101
LEEMING	5418N	00132W	40	1014.7	1018.7	9.6	-0.8	8.8	-0.6	7	30	-26	2	179	
VALLEY	5315N	00432W	11	1018.5	1019.9	10.4	-0.6	9.7	-0.2	7	15	-41	1	240	110
MANCHESTER AIRPORT	5321N	00216W	78	1009.6	1018.9	10.3	-1.1	8.9	-0.4	13	51	-9	3	191	108
WADDINGTON	5310N	00031W	70	1010.0	1018.6	9.8	-1.2	9.0	-1.0	10	51	4	4	189	92
BIRMINGHAM/AIRPORT	5227N	00144W	99	1007.0	1019.0	9.9	-0.9	9.1	-0.4	10	32	-24	2	166	90
CARDIFF-WALES AIRPORT	5124N	00321W	67	1011.8	1019.7	10.4	-0.6	9.9	-0.2	8	45	-18	2	234	
LONDON/GATWICK AIRPORT	5109N	00011W	62	1011.5	1018.6	10.8	-0.3	9.6	-0.6	12	45	-11	2	203	
PLYMOUTH/MOUNT BATTEN	5021N	00407W	27	1017.0	1020.4	11.1	-0.4	10.1	-0.7	5	37	-26	2	252	115
BOURNEMOUTH AIRPORT	5047N	00150W	11	1017.9	1019.2	11.0	-0.1	9.4	-0.8	4	18	-43	1	243	
BELFAST/ALDERGROVE AIRPORT	5439N	00613W	81	1011.6	1020.1	10.1	-0.3	9.3	-0.4	9	30	-26	2	209	107
IRELAND															
VALENTIA OBSERVATORY	5156N	01015W	14	1020.8	1022.5	10.8	-0.4	10.3	-0.2	4	10	-75	0	196	95
CORK AIRPORT	5151N	00829W	162	1001.8	1021.6	10.1	-0.2	9.5	-0.5	5	25	-62	0	202	
SHANNON AIRPORT	5242N	00855W	20	1019.4	1021.8	11.2	-0.3	9.6	-0.6	10	21	-38	1	179	90
DUBLIN AIRPORT	5326N	00615W	85	1009.9	1020.3	10.5	-0.1	9.4	-0.5	8	21	-37	1	189	95
BELMULLET	5414N	01000W	10	1020.5	1021.7	10.2	-0.2	10.1	-0.1	11	45	-19	2	152	70
MALIN HEAD	5522N	00720W	25	1017.1	1020.2	9.7	-0.3	9.8	0.0	9	45	-14	2	179	85
ICELAND															
KEFLAVIK	6358N	02236W	54	1011.3	1018.0	6.3	0.1	7.9	-0.1	11	59	-2	3		
REYKJAVIK	6408N	02154W	61	1010.5	1018.1	6.4	-0.1	7.8	0.0	10	39	-1	4	173	94
AKUREYRI	6541N	01805W	27	1014.2	1017.6	7.7	2.0	7.2	0.2	1	2	-15	1	232	135
HJARDARNES	6415N	01511W	12	1016.7	1018.0	6.9	0.9	7.6	0.2	7	27	-64	1		
DENMARK															
EGERDESMINDE	6842N	05245W	47	1005.3	1011.3	-1.9	-0.6	4.8	0.6	0	1	-14	1		
GODTHAB	6410N	05145W	48	1007.3	1010.8	0.2	-1.2	5.3	0.0	19	83	42	5		
DANMARKSHAVN	7646N	01840W	12	1016.2	1017.8	-7.6	-1.0	2.7	-0.1	0	1	-4	1		

EUROPE-DENMARK

EUROPE—DENMARK

SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	
EUROPE	0°	0°	8	mb	mb	°C	°C	mb	mb	mb	8	8	8	8	
DENMARK															
ANGMAGSSALIK	6536N	03738W	52	1012.5	1017.1	0.6	-0.4	5.7	0.4	14	153	92	6		
THORSHAVN	6201N	00646W	39	1014.9	1017.9	6.7	-0.3	8.5	-0.1	13	76	5	4		
ALBORG	5706N	00952E	3	1012.1	1012.5	9.1	-1.5	8.4	-1.3	6	17	-22	1		
KOBENHAVN/LANDBOHOJSKOLEN	5541N	01233E	9	1011.7	1012.3	10.5	-1.2	8.3	-1.6	9	48	6	3		
RONNE'	5504N	01445E	16	1011.2	1013.2	7.7		8.5		7	34	3			
NETHERLANDS															
DE BILT	5206N	00511E	4	1015.7	1016.2	10.2	-1.9	9.6	-0.8	14	104	48	5	80	
BELGIUM															
UCCLE	5048N	00421E	104	1004.0	1016.2	10.6	-2.3	9.9	-1.1	16	81	20	5		
LUXEMBOURG															
LUXEMBOURG/LUXEMBOURG	4937N	00613E	379	971.3	1016.5	9.3	-3.1	7.8	-2.8	11	91	25	4	185	
SWITZERLAND LIECHTENSTEIN															
ZURICH (TOWN/VILLE)	4723N	00834E	569	949.7	1016.6	9.8	-2.6	8.8	-1.0	19	148	46	5	127	
SAENTIS	4715N	00921E	2500	747.5	3018	-3.0	-2.7	4.2	-0.9	21	313	124	5	110	
GENEVE-COINTRIN	4615N	00608E	416	967.2	1016.3	11.1	-2.3	8.6	-1.4	13	90	21	4	172	
LUGANO	4600N	00858E	276	980.1	1012.6	14.0	-1.3	9.7	-2.3	11	143	-36	2	206	
FRANCE															
CHERBOURG	4939N	00128W	138	1002.4	1019.2	9.9	-0.7	9.1	-1.3	6	40	-34	2	234	
BREST/GUIPAVAS	4827N	00425W	103	1007.8	1020.3	10.9	-0.5	10.3	-0.5	8	41	-29	2	251	
PARIS/LE BOURET	4858N	00227E	65	1009.5	1017.4	11.5	-1.8	10.0	-1.3	13	74	19	4	210	
NANCY/ESSEY	4841N	00613E	217	990.5	1016.6	10.6	-2.2	9.2	-1.6	12	94	30	5	198	
STRASBOURG	4833N	00738E	154	997.7	1016.2	11.4	-2.3	10.0	-1.2	15	112	50	5	171	
NANTES	4710N	00136W	27	1015.7	1019.0	12.9	-0.5	10.4	-1.5	3	21	-35	1	259	
BOURGES	4704N	00222E	166	997.5	1017.4	11.1	-2.4	10.0	-1.3	9	57	-15	3	235	
DIJON	4716N	00505E	227	989.4	1016.6	11.3	-2.7	10.6	-0.6	10	72	3	4	215	
LIMOGES	4552N	00111E	402	970.2	1017.9	10.7	-1.8	9.7	-0.7	8	62	-24	2	204	
LYON/BRON	4543N	00457E	201	992.6	1016.7	12.1	-2.3	10.7	-0.7	15	93	24	5	202	
BORDEAUX/MERIGNAC	4450N	00042W	61	1011.2	1018.6	13.8	-0.5	11.3	-1.2	6	24	-46	1	232	
TOULOUSE/BLAGNAC	4338N	00122E	153	1000.1	1018.4	13.5	-1.1	11.3	-0.9	9	41	-31	2	204	
NIMES/COURBESSAC	4352N	00424E	62	1008.1	1015.5	15.3	-1.1	9.9	-1.7	4	36	-26	2	298	
MARSEILLE/MARIGNANE	4327N	00513E	36	1010.0	1014.4	15.2	-1.7	10.8	-1.6	4	13	-29	1	304	
NICE	4339N	00712E	10	1011.8	1013.1	15.6	-0.8	11.9	-1.9	2	24	-23	2	270	
PERPIGNAN	4244N	00252E	48	1009.8	1015.6	15.6	-1.4	10.2	-2.1	4	38	-15	3	227	
AJACCIO	4155N	00848E	9	1012.7	1013.4	14.7	-1.1	13.2	-1.2	7	22	-22	2	282	
SPAIN															
LA CORUNA	4322N	00825W	67	31	1011.4	1019.5	14.5	0.4	11.6	-0.8	4	20	-51	1	260
VALLADOLID	4139N	00446W	735	31	932.0	1016.8	13.4	-0.4	6.6	-2.4	7	8	-36	1	304
ZARAGOZA/AEROPUERTO	4140N	00101W	258	31	985.5	1015.6	16.3	-1.1	10.3	-0.4	3	28	-6	3	110
BARCELONA/AEROPUERTO	4117N	00204E	6	31	1014.6	1015.4	15.1	-1.1	13.1	-2.5	5	52	-5	3	105
MADRID	4025N	00341W	667	31	940.5	1016.0	16.7	0.5	9.1	-0.9	4	58	15	4	321
PALMA DE MALLORCA/SON SAN J.	3933N	00244E	8	31	1015.4	1016.3	15.5	-0.1	14.4	-0.2	3	35	-70	1	105
MENORCA/MAHON	3952N	00414E	82	31	1006.5	1016.4	16.3	-1.0	12.9	-1.0	6	25	-1	4	276
BADAJOZ	3853N	00658W	195	31	995.0	1015.4	18.3	-0.1	11.6	-0.3	1	10	-21	2	309
ALICANTE	3822N	00030W	82	31	1006.8	1016.4	18.1	-1.2	14.3	1.1	5	31	1	4	300
SEVILLA/TABLADA	3722N	00600W	14	31	1013.3	1015.0	19.9	0.2	13.7	0.6	0	0	-35	1	300
ALMERIA/AEROPUERTO	3651N	00223W	21	31	1012.4	1014.8	19.4	0.5	15.0	0.7	0	0	-18	1	100
GIBRALTAR															
GIBRALTAR	3609N	00521W	5	1016.3	1016.7	19.5	0.8	14.8	0.2	0	T	-37	1	272	
PORTUGAL															
HORTA (ACORES)	3831N	02838W	62	1012.7	1020.1	15.5		14.1		18	147	4	154	85	
PONTA DELGADA (ACORES)	3745N	02540W	36	1015.0	1019.3	16.0		14.8		15	192	6	126	80	
SANTA MARIA (ACORES)	3658N	02510W	100	31	1007.1	1019.2	16.1	-0.6	14.1	0.5	10	73	52	6	
LISBOA	3843N	00909W	95	1007.0	1018.3	18.5		12.8		0	T	0	0	289	
PORTO/SERRA DO PILAR	4108N	00836W	100	1004.9	1016.7	16.2		12.5		3	28	1	299	110	
GERMAN DEMOCRATIC REPUBLIC															
WARNEMUENDE	5411N	01205E	10	1012.6	1013.8	9.5	-1.4	9.3	-0.9	11	52	5	3	220	

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE	TOTAL hr
EUROPE															
GERMAN DEMOCRATIC REPUBLIC	0°	0°	0	8	mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	hr
GREIFSWALD	5406N	01324E	6	1012.7	1013.5	9.9	-1.3	9.1	-1.1	8	38	-13	2	205	75
POTSDAM	5223N	01304E	100	1002.0	1014.1	10.5	-2.4	9.0	-1.1	12	69	14	4	180	75
LINDBERG	5213N	01407E	112	999.9	1013.5	10.7	-2.1	9.1	-0.8	9	63	12	4	186	80
LEIPZIG-SCHKEUDITZ	5125N	01214E	133	998.3	1014.3	10.5	-2.2	9.3	-1.4	12	63	12	4	165	75
DRESDEN-KLOTZSCHE	5108N	01347E	226	986.8	1014.1	10.6	-2.1	9.0	-1.0	8	61	20	4	148	65
GOERLITZ	5110N	01457E	238	985.0	1013.7	10.4	-1.8	9.6	-0.7	11	70	0	3	167	70
MEININGEN	5034N	01023E	453	960.8	1015.1	8.6		8.7		12	85			148	
ERFURT-BINDERSLEBEN	5059N	01058E	323	976.2	1015.1	9.4	-2.4	8.7	-1.3	11	99	44	5	162	80
FICHTELBERG	5026N	01257E	1215	875.3	1452	3.8	-2.4	6.8	-0.9	15	93	-14	3	119	60
GERMANY, FEDERAL REPUBLIC OF															
SCHLESWIG	5432N	00933E	48	1007.9	1013.8	9.3	-1.4	9.2	-0.6	13	115	59	5	165	66
HAMBURG-FUHLSBUETTEL	5338N	01000E	16	1012.0	1014.0	10.1	-1.7	9.2	-0.7	13	57	-2	3	185	80
EMDEN-HAFEN	5321N	00712E	12	1013.6	1015.1	9.5	-2.0	9.2	-1.2	9	67	10	4	174	80
HANNOVER	5228N	00942E	54	1008.1	1014.7	10.3	-2.0	9.8	-0.6	11	50	-9	2	165	73
BERLIN-TEMPELHOF	5228N	01324E	49	1007.8	1013.7	11.3	-2.3	8.9	-0.2	10	48	-6	3	176	
ESSEN	5124N	00658E	161	996.3	1015.7	10.3	-2.5	9.4	-0.8	15	97	26	5	137	65
KASSEL	5118N	00927E	233	986.4	1014.4	9.8	-3.0	9.2	-0.8	13	91	25	5	155	70
GEISENHEIM	4959N	00757E	120	1000.5	1015.0	11.2	-2.7	9.1	-1.1	13	41	-8	2	185	79
STUTTGART/SCHNARRENNBERG	4850N	00912E	311	978.5	1015.6	10.7	-2.3	9.2	-1.1	17	115	37	5	141	
NUERNBERG	4930N	01105E	312	977.8	1015.0	10.6	-2.2	8.8	-1.1	11	80	20	5	133	58
MUENCHEN-RIEM	4808N	01142E	529	953.5	1015.8	9.7	-2.3	9.5	-0.5	17	133	34	5	135	65
KONSTANZ	4741N	00911E	447	962.9	1015.7	10.4		9.2		18	118	5	149	70	
ZUGSPITZE	4725N	01059E	2962	704.8	3015	-6.1	-3.0	3.7	-0.7	21	256	77	5	129	76
AUSTRIA															
ST. POELTEN	4812N	01537E	282	978.9	1013.4	12.1	-1.2	9.6	-1.1	14	139	62	5	161	80
WIEN/HOHE WARTE	4815N	01622E	209	987.3	1012.7	13.1	-1.2	10.4	-0.6	11	106	47	5	157	67
INNSBRUCK-FLUGHAFEN	4716N	01121E	598	943.0	1014.0	10.6	-2.5	8.7	-0.5	14	130	45	5	157	85
SONNBLICK	4703N	01257E	3107	690.2	3058	-5.8	-1.7	3.5	-0.9	23	239	82	5	110	74
SALZBURG-FLUGHAFEN	4748N	01300E	450	961.2	1014.3	10.7	-1.9	9.0	-1.2	19	226	95	6	127	67
LAGENFURT-FLUGHAFEN	4639N	01420E	452	957.6	1012.7	11.5	-1.7	8.9	-1.3	10	113	26	4	175	83
GRAZ-THALERHOF-FLUGHAFEN	4700N	01526E	347	970.4	1012.6	12.4	-1.2	10.2	-0.8	12	101	20	4	187	89
CZECHOSLOVAKIA															
CHEB	5005N	01224E	471	958.4	1014.4	9.3	-2.1	8.8	-0.5	10	67	14	4	135	63
PRAHA/RUZYNE	5006N	01417E	369	969.7	1013.6	10.3	-2.2	9.6	-0.4	12	94	27	5	170	73
PRAHA-LIBUS	5000N	01427E	304	977.5	1013.8	11.6	-1.1	9.1	-0.6	13	91	24	4	167	
BRNO/TURANY	4909N	01642E	246	983.5	1013.0	12.3	-1.3	9.9	-0.5	10	101	48	5	178	74
OSTRAVA/MOSNOV	4941N	01807E	256	982.2	1012.8	11.4	-1.3	10.0	-0.6	14	143	48	5	152	70
SLIAC	4838N	01909E	318	974.2	1011.9	12.5	-0.7	9.5	-1.5	16	118	63	5	160	68
POPRAD/TATRY	4904N	02015E	707	929.8		9.8	-0.8	8.5	-1.0	14	115	49	5	169	73
POLAND															
LEBA	5445N	01732E	2	1012.3	1012.6	8.1		9.0		7	37				
SZCZECIN	5324N	01437E	3	1012.3	1012.4	10.4	-2.0	9.1	-1.3	7	30	-21	2		
BIALYSTOK	5306N	02310E	151	993.8	1012.0	11.6	-0.8	10.0	-0.4	7	53	3	4		
POZNAN	5225N	01650E	92	1002.2	1012.3	11.3	-1.4	9.1	-1.0	4	23	-30	1		
WARSZAWA-OKCIE	5210N	02058E	107	999.6	1012.5	12.1	-0.9	9.8	-0.8	6	60	8	4		
WROCŁAW II	5106N	01653E	121	998.5	1013.1	11.4	-1.3	9.9	-1.0	9	66	6	3		
WŁODAWA	5133N	02332E	179	990.9	1012.3	12.3		10.4		6	43				
PRZEMYSŁ	4948N	02246E	280	979.1	1012.6	12.1	-0.9	10.5	-0.7	15	147	77	6		
HUNGARY															
MISKOLC	4808N	02048E	119	996.8	1011.5	13.8	-1.3	11.2	-0.9	11	49	-17	2	180	72
BUDAPEST/METEOROLOGIA	4731N	01902E	129	996.2	1011.6	14.2	-2.3	10.2	-0.9	13	132	73	6	173	69
BUDAPEST/LORINC	4726N	01911E	139	994.7	1011.4	14.0	-1.8	10.8	-0.8	12	124	75	6	189	78
DEBRECEN	4729N	02138E	112	997.5	1011.3	14.7	-1.0	11.8	-0.5	11	118	62	5		
PECS	4600N	01814E	203	988.7	1012.3	13.8	-1.7	11.4	-0.2	10	112	48	5	206	85
SZEGED	4615N	02006E	83	1002.0	1011.9	14.8	-1.1	11.5	-1.0	7	107	53	5	179	70
YUGOSLAVIA															
LJUBLJANA/BEZIGRAD	4604N	01431E	316	975.7	1013.2	13.2		10.4		15	113	3	196	50	
ZAGREB/GRIC	4549N	01559E	162	993.3	1012.5	14.7	-1.2	11.6	-0.1	12	90	6	4	183	85
BEOGRAD	4448N	02028E	132	996.3	1012.0	15.2	-1.6	11.7	-0.3	17	169	91	5	176	75

STATION	LATITUDE	LONGITUDE	ELEVATION	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
				MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	TOTAL	DEPARTURE	QUINTILE	TOTAL hr	% OF AV.
EUROPE	0°	0°	#	mb	mb	°C	°C	mb	mb	days 1 mm	#	#	#	#	#
YUGOSLAVIA															
SPLIT/MARJAN	4331N	01626E	128	997.6	1012.7	16.1	-2.5	11.7	-0.9	9	81	25	4	237	80
SARAJEVO	4352N	01826E	637	939.5	1013.4	12.3	-1.5	8.9	-1.5	16	132	43	4	152	95
TITOGRAD/GOLUBOVCI	4222N	01915E	33	1006.9	1012.9	16.5	-2.2	11.8	-0.2	10	202	104	5	225	
SKOPJE-PETROVAC	4158N	02139E	239	983.9	1012.2	16.1	-0.9	11.2	-1.6	9	45	-20	2		
BULGARIA															
LOM	4349N	02315E	33	1008.2	1012.1	15.5	-1.5	13.4		11	111	59	6	182	
VARNA	4312N	02755E	43	1007.4	1012.4	13.7	-1.7	12.4		3	26	-22	1	186	
SOFIA (OBSERV.)	4239N	02323E	595	943.5	1012.2	13.4	-1.2	10.1		10	63	-16	2	187	
BURGAS	4229N	02729E	28	1009.2	1012.5	14.4	-1.4	12.8		5	26	-26	1	234	
ITALY															
UDINE/RIVOLTO	4559N	01302E	53	1003.4	1012.7	15.6	-1.0	11.9	-1.6	5	15	-94	0	183	
VERONA/VILLAFRANCA	4523N	01052E	68	1004.6	1012.7	15.4	-1.3	12.6	-1.2	12	73	-8	3		
VENEZIA/TESSERA	4530N	01220E	6	1011.8	1012.5	15.6	-1.1	13.3	-0.7	14	109	38	5	221	90
TRIESTE	4539N	01345E	20	1010.1	1012.5	16.4	-1.1	11.9	-0.9	9	102	27	4	219	80
PISA/S. GIUSTO	4341N	01023E	1	1012.7	1013.5	14.9	-1.2	12.5	-1.0	4	46	-14	3	222	80
FALCONARA	4337N	01322E	10	1010.9	1012.7	15.4		12.8		7	132			215	80
PESCARA	4226N	01412E	11	1010.7	1011.9	16.0	-0.6	13.2	-0.3	8	48	8	4	205	80
ROMA/FIUMICINO	4148N	01214E	3	1012.8	1013.2	15.3	-1.9	13.3	-1.6	3	16	-22	2		
NAPOLI/CAPODICHINO	4051N	01418E	72	1005.5	1014.1	16.2	-0.8	13.0	-0.8	6	52	0	4	225	85
BRINDISI	4039N	01757E	10	1011.7	1013.0	16.8	-1.0	14.2	-1.4	8	46	17	4	253	90
MARINA DI GINOSA	4026N	01653E	12	1010.4	1011.8	15.3	-2.3	12.7	-2.7	6	62	33	5		
MESSINA	3812N	01533E	51	1007.5	1013.9	17.2	-1.4	14.4	-0.1	9	45	6	4	225	85
TRAPANI/BIRGI	3755N	01230E	14	1013.5	1014.7	16.3	-1.8	15.0	-0.3	9	46	22	5	246	85
CATANIA/FONTANAROSSA	3728N	01503E	17	1011.7	1013.8	16.8	-1.1	14.1	-0.1	5	27	6	4		
ALGHERO	4038N	00817E	40	1011.5	1014.8	15.5	-1.1	14.5	-0.3	4	16	-10	2	266	90
CAGLIARI/ELMAS	3915N	00903E	18	1014.0	1014.6	16.3	-1.0	13.9	0.0	3	8	-21	2	225	90
MALTA															
LUQA	3551N	01429E	91	1006.5	1015.1	17.5	-1.5	15.5	-0.3	3	8	-2	4	254	81
TURKEY															
SAMSUN	4117N	03620E	4	1013.6	1014.0	13.9	-1.7	13.8	-0.8	7	23	-26	1		
EDIRNE	4140N	02634E	48	1006.6	1012.7	16.7	-1.2	12.1	-1.1	6	21	-33	1		
ISTANBUL/GOZTEPE	4058N	02905E	40	1008.9	1012.8	16.0	-0.4	13.5	-0.3	5	19	-12	2		55
KASTAMONU	4122N	03346E	799	921.3	1012.3	13.3	-0.8	9.8	-0.7	11	57	-12	3		
SIVAS	3945N	03701E	1285	870.3	1011.9	14.1	0.7	8.6	-0.1	6	43	-15	2		
ERZINCAN	3944N	03930E	1215	877.6	1010.6	17.0	-1.5	8.8	-0.5	3	12	-41	0		
CANAKKALE	4008N	02624E	3	1012.7	1013.3	15.7	-1.7	14.1	-1.0	5	12	-21	2		
BURSA	4011N	02904E	100	1001.4	1013.2	16.9	0.1	12.3	-1.5	7	57	12	4		53
ANKARA/CENTRAL	3957N	03253E	894	910.9	1011.9	15.2	-0.5	9.7	-0.3	13	52	-3	3		
AFYON	3845N	03032E	1034	896.6	1012.0	14.7	0.1	9.8	-0.1	7	31	-25	2		
IZMIR	3826N	02710E	25	1009.2	1012.1	19.5	-1.0	12.3	-2.1	2	5	-30	1	205	69
ISPARTA	3745N	03033E	997	900.7	1012.7	14.5	-0.9	9.3	-0.5	7	47	-8	3		
URFA	3708N	03846E	547	947.7	1008.8	22.9	1.2	12.8	1.7	0	0	-33	0		
DIYARBAKIR	3753N	04011E	677	935.0	1011.2	20.6	1.2	10.3	-2.5	0	0	-43	0	224	73
MUGLA	3712N	02821E	646	938.8	1012.8	15.5	-1.9	10.9	-0.2	3	11	-27	1		
ANTALYA	3642N	03044E	57	1006.2	1011.1	18.3	-2.0	14.6	-1.8	3	16	-12	3		63
ADANA	3659N	03518E	20	1009.9	1012.3	20.3		16.0		7	38	3			
USSR															
MURMANSK	6858N	03303E	46	1009.5	1015.8	3.7	0.3	5.4	-0.1	7	19	-6	3	187	95
KANIN NOS	6839N	04318E	49	1009.5	1015.7	-0.2	0.6	5.3	0.3	3	11	-8	1	164	25
ARHANGEL'SK	6435N	04030E	13	1014.1	1015.1	7.1	0.9	7.0	0.9	7	25	-16	2	214	95
REBOLY	6349N	03049E	181	992.2	1014.4	6.2	-0.1	6.6	0.3	9	46	11	4	233	100
VYTEGRA	6101N	03627E	59	1006.4	1013.2	9.5	0.8	8.3	0.8	10	95	45	5	183	70
TALLIN	5925N	02448E	44	1008.6	1012.7	8.5	-0.4	7.9	0.0	9	57	19	4	192	35
LENINGRAD (TOWN/VILLE)	5958N	03018E	4	1012.4	1013.1	10.2	0.0	8.3	0.0	9	38	0	3	160	65
VELIKIE LUKI	5623N	03036E	98	999.8	1012.3	11.4	-0.2	9.7	0.2	10	72	15	4	214	95
KAUNAS	5453N	02353E	75	1002.0	1011.3	11.2	-0.9	9.8	-0.4	12	57	4	4	193	75
MINSK	5352N	02732E	234	984.5	1012.1	12.2	-0.1	9.7	0.2	10	50	-11	2	199	
VOLOGDA	5917N	03952E	118	997.7	1013.3	11.3	1.4	9.2	1.1	10	64	17	4	236	90
KIROV	5839N	04937E	164	994.7	1014.5	14.0	3.3	9.5	1.8	5	23	-27	1	272	105
KAZAN'	5547N	04911E	64	1000.9	1015.1	15.1	2.0	10.3	1.5	5	40	2	4	279	105

EUROPE-USSR

SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN %	DEPARTURE %	DAYS 1 MM	TOTAL	% OF AV.
EUROPE													
USSR													
MOSKVA	5545N	03734E	156	-995.2	1013.9	12.8	0.2	10.0	1.8	11	93	33	5
KIEV	5024N	03027E	179	992.2	1012.0	14.2	-0.5	10.9	0.1	7	91	39	5
L'VOV	4949N	02357E	325	974.6	1012.4	11.7	-0.9	10.5	-0.2	13	81	9	4
ODESSA	4629N	03038E	64	1007.7	1012.8	12.5	-2.4	11.7	-0.5	6	32	-11	3
SIMFEROPOL'	4501N	03359E	205	991.0	1012.4	14.0	-1.1	11.0	-0.7	9	54	6	4
VORONEZ	5142N	03910E	164	996.3	1014.0	14.9	0.4	10.8	1.4	9	63	12	4
HAR'KOV	4956N	03617E	152	995.0	1013.4	15.5	0.1	10.9	0.7	4	35	-12	3
ROSTOV-NA-DONU	4715N	03949E	77	1006.2	1014.2	16.8	-0.2	12.0	0.3	9	62	12	4
ASTRAHAN'	4616N	04802E	18	1018.4	1016.0	18.6	0.1	12.0	1.0	2	25	4	4
PJATIGORSK	4403N	04302E		952.1	1014.2	15.0	0.2	11.5	-0.1	9	39	-33	1
SYRIAN ARAB REPUBLIC													
KAMISHLI	3703N	04113E	455	958.5	1008.9	22.3	0.1	8.2	-2.9	2	3	-30	2
ALEPPO	3611N	03713E	393	967.7	1012.4	21.2	0.1	10.6	-1.1	0	0	-18	0
LATTAKIA	3532N	03546E	7	1013.1	1013.9	16.1	-4.4	19.6	1.9	3	17	-7	3
HAMA	3508N	03643E	309	977.8	1013.9	20.7		10.2		0	0	-12	0
DEIR EZZOR	3519N	04009E	212	983.8	1009.8	23.6	-0.6	6.8	-3.2	0	0	-8	2
PALMYRA	3433N	03818E	404	964.9	1010.4	23.7	-0.6	8.0	-1.6	0	0	-8	0
DAMASCUS NEW INT. AIRPORT	3325N	03631E	611	942.2	1010.5	20.7	-0.1	8.6	-0.8	0	0	-5	0
ISRAEL													
BEN-GURION INT. AIRPORT	3200N	03454E	49	1008.2	1013.0	20.3	-0.7	14.2	-0.7	0	0	-4	0
JERUSALEM	3147N	03513E	809	927.9	1500	18.8	-1.0	10.2	0.9	0	0	-4	0
EILAT	2933N	03457E	13	1009.5	1010.6	28.6	0.2	8.5	-1.3	0	0	-1	0
JORDAN													
H-4 'IRWAISHED'	3230N	03812E	688	934.1	1009.3	24.1	1.4	9.0	0.9	0	0	-5	0
AMMAN AIRPORT	3159N	03559E	768	924.4	1010.7	21.3	1.1	8.5	-1.4	0	T	-3	3
MA'AN	3010N	03547E	1070	887.0	1480	21.9	1.1	9.3	1.2	1	3	1	5
ASIA													
USSR													
POLAR GMD IM.E.T.KRENKEL JA	8037N	05803E	20	1012.8	1015.6	-7.7	1.7	3.0	0.4	4	11	-10	2
OSTROV VIZE	7930N	07659E	18	1013.7	1015.1	-8.7	1.8	2.9	0.3	1	7	-16	2
GMD IM.E.K. FEDOROVA	7743N	10417E	13	1013.4	1015.4	-9.6	1.7	2.6	0.1	5	14	-1	4
OSTROV DIKSON	7330N	08014E	20	1006.6	1012.7	-7.0	1.8	0.9	-2.2	8	30	10	5
HATANGA	7159N	10228E	24	1008.0	1012.3	-6.7	0.9	3.2	0.2	8	27	10	5
OSTROV KOTEL'NYJ	7600N	13754E	10	1012.5	1013.5	-10.7	-1.3	2.4	-0.7	0	12	1	4
OKURDAH	7037N	14753E	48	1002.2	1010.1	-7.3	-1.6	3.4	-0.2	5	16	5	4
OSTROV CETYREH-STOLBOVOJ	7038N	16224E	6	1006.2	1011.5	-6.6	0.0	3.3	-0.2	0	3	-4	1
MYS KAMENNYY	6828N	07336E		1015.0	1016.1	-3.6	2.8	4.0	0.4	3	15	-14	1
NAR' JAN-MAR	6739N	05301E	7	1015.1	1016.4	1.2	2.0	5.4	0.8	7	24	-2	3
HOSEDA-HARD	6705N	05923E	84	1005.5	1016.1	0.9	3.1	5.2	0.9	7	22	-5	3
SALEHARD	6632N	06632E	35	1014.4	1016.4	0.2	1.7	5.1	0.9	9	45	14	5
TARKO-SALE	6455N	07749E	27	1012.0	1015.8	0.6	2.7	4.8	0.7	9	58	31	6
NJAKSIMVOL'	6226N	06052E	50	1009.3	1015.6	8.4	3.4	7.3	1.6	6	22	-25	1
SYKTYVKAR'	6140N	05051E	96	1000.0	1014.4	10.3	2.2	8.2	1.6	10	65	24	5
HANTY-MANSIJSK	6058N	06904E	40	1008.8	1014.5	9.9	3.4	8.4	2.3	8	38	-4	3
OLENEK	6830N	11226E	127	983.0	1010.0	-4.4	-1.4	3.2	-1.4	7	22	-1	3
DZARDZAN	6844N	12400E	45	1002.8	1007.6	-1.3	-0.2	3.9	-0.1	1	4	-15	1
VERHOJANSK	6733N	13323E	137	990.0	1007.1	-0.8	-2.9	3.4	-1.1	3	10	-3	4
VIL JUJSK	6346N	12137E	107	993.0	1006.8	0.8	-3.7	3.9	-0.8	5	19	0	3
OJMJAON	6316N	14309E	726	916.9	1006.7	-4.0	-5.8	2.9	-1.5	5	15	-2	4
SUNTAR	6209N	11739E	124	990.9	1007.4	-2.5	-3.7	4.0	-0.3	6	20	-0	3
ERBOGACEN	6116N	10801E	291	974.5	1010.1	2.9	-1.3	3.9	-0.9	7	32	-0	3
JAKUTSK	6205N	12945E	103	993.4	1005.9	3.0	-3.3	4.1	-1.0	3	13	-4	3
MYS SMIDTA	6855N	17929W	7	1013.1	1013.7	-5.3	0.8	3.7	0.4	2	6	-8	2
ILIRNEJ	6720N	16814E	426	967.3	1011.6	-2.7	0.3	3.8	0.1	1	4	-3	2
UST'-OLOJ	6633N	15925E	125	993.1	1008.8	0.7	-1.2	4.1	-0.4	6	29	17	5
MYS UELEN	6610N	16950W	7	1010.1	1011.0	-3.4	0.7	4.3	-0.3	8	26	7	5
ZYRJANKA	6544N	15054E	43	1002.8	1008.2	0.5	-2.3	4.0	-0.3	5	7	-4	2
ANADYR'	6447N	17734E	62	1003.5	1011.2	-1.8	0.7	4.7	-0.4	5	6	-4	2
SEJMCA	6255N	15225E	207	981.8	1008.0	0.8	-3.0	4.0	-1.0	5	24	10	5
KAMENSKOE	6229N	16613E	8	1007.9	1009.2	1.1	0.3	5.2	0.5	7	22	4	228

ASIA-USSR

SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	DEPARTURE	QUINTILE	TOTAL hr	% OF AV.
ASIA															
USSR	0°	0°	0	3	1010.1	1010.6	14.5	0.2	5.5	0.2	7	23	0 4	169	80
KORF	6021N	16600E	3	1010.1	1010.6	14.0	2.9	9.8	2.3	7	29	-20	2 2	275	
PERM	5801N	05618E	161	994.0	1014.3	14.0	2.9	9.8	2.3	7	29	-20	2 2	275	
TOBOL'SK	5809N	06811E	44	1007.6	1013.4	12.8	2.9	10.2	3.2	13	71	38	5		
SVERDOLOVSK	5648N	06038E	237	981.1	1014.5	14.7	3.3	9.5	2.8	7	43	2 3	268	110	
OMSK	5456N	07324E	94	999.1	1013.7	14.3	2.3	9.7	2.7	6	57	-30	5 2	295	100
KUSTANAJ	5313N	06337E	171	996.5	1015.0	10.9	3.3	2	14	-10	3 3	237	85		
KOLPASEV	5818N	08254E	76	1005.0	1014.2	9.7	2.3	7.2	1.2	8	43	-2	3 3	293	25
BARNAUL	5320N	08342E	196	992.1	1014.5	12.9	1.0	8.7	1.5	9	40	4	4 4	275	110
KIRENSK	5746N	10807E	258	979.7	1011.4	6.4	-0.2	5.1	-0.4	8	31	1	3 3	285	
BRATSK	5604N	10150E	326	962.9	1012.9	6.6	-0.2	5.4	-0.1	4	21	-4	3 3	257	
KALAKAN	5507N	11645E	613	935.6	1008.4	4.2	-1.8	4.0	-0.8	4	29	3	4 4	318	
BOGDARIN	5428N	11335E	995	903.7	1008.9	3.1	-0.1	3.6	-0.7	7	18	-3	3 3	275	
UST'-BARGUZIN	5326N	10859E	457	957.8	1013.3	4.7	-1.0	5.3	0.6	6	17	-2	3 3		
MOGOCA	5344N	11947E	619	933.3	1007.0	5.5	-1.4	4.2	-1.0	1	9	-21	1 1	247	105
IRKUTSK	5216N	10421E	485	957.6	1013.1	9.3	0.7	6.7	0.7	8	54	26	6 6	288	120
CITA	5201N	11320E	685	930.9	1009.3	7.7	-0.9	4.3	-0.2	3	11	-9	2 2	255	95
ALDAN	5837N	12522E	682	925.9	1007.1	0.6	-3.4	4.0	-1.1	12	56	3	4 4	207	90
OHOTSK	5922N	14312E	6	1005.3	1006.0	1.2	-0.1	5.1	-0.3	4	44	0	3 3	206	195
AJAN	5627N	13809E	9	1005.4	1006.5	1.2	-0.4	5.0	-0.3	4	58	-20	2 2	180	105
BOMNAK	5443N	12856E	357	961.8	1002.5	5.7	-2.3	5.0	-1.2	4	41	-23	3 3	259	125
NIKOLAEVSK-NA-AMURE	5309N	14042E	47	998.5	1005.2	3.0	-1.5	5.7	-0.7	11	80	34	5 5		
IM POLINY OSIPENKO	5225N	13630E	73	995.7	1004.6	6.1	-2.3	5.8	-0.6	9	55	21	5 5	199	85
BLAGOVESCHENSK	5016N	12730E	137	989.6	1005.4	10.1	-1.8	5.6	-1.7	5	26	-22	2 2		
HABAROVSK	4831N	13510E	72	994.5	1005.4	10.1	-1.5	6.5	-1.5	7	45	-17	2 2	228	
VLADIVOSTOK	4307N	13154E	138	988.1	1010.2	9.7	0.2	7.9	-0.2	8	46	-28	2 2	125	
JUZNO-SAHALINSK	4655N	14244E	31	1006.0	1008.9	7.1	0.5	7.1	-0.3	8	44	-22	2 2	248	
SIMUSIR	4651N	15152E	26	1008.5	1011.6	5.0	1.7	6.9	0.1	7	76	-54	1 1	198	
ICA	5542N	15538E	4	1006.5	1007.3	2.3	0.2	5.8	-0.4	13	111	56	6 6	127	90
PETROPAVLOVSK-KAMCATSKIJ	5258N	15845E	7	1006.9	1009.9	3.7	-0.2	5.9	0.0	7	139	74	5 5	200	100
NIKOL'SKOE (OSTROV BERINGA)	5512N	16559E	6	1009.2	1011.0	2.0	-0.2	6.5	0.5	6	26	-22	1 1	85	75
ORENBURG	5145N	05506E	109	1002.5	1016.4	17.3	1.4	8.8	0.4	2	6	-22	1 1	336	115
TURGAJ	4938N	06330E	123	1000.0	1016.1	17.1	0.5	8.8	2.4		16	2	4 4		
KARAGANDA	4948N	07308E	555	951.8	1016.3	13.6	0.4	9.5	2.2	11	56	25	5 5	234	
SAM	4525N	05612E	82	1004.6	1015.0	21.0	1.6	10.9	3.3	5	24	13	5 5	109	
SEMPIPALATINSK	5021N	08015E	206	1006.0	1014.5	15.1	1.2	9.7	2.2	6	25	-1	3 3	293	95
ALMA-ATA	4314N	07656E	847	919.7	1016.1	16.2	0.2	10.4	0.1	8	94	-11	3 3		
FORT SEVCENKO	4433N	05015E	-20	1017.1	1014.3	18.3	-0.4	13.3	1.1	2	7	-2	3 3	283	120
CIMBAJ	4257N	05949E	66	1006.4	1015.1	21.7	1.8	16.0	5.1	2	20	9	5 5	303	
TAMDY	4144N	06437E	220	987.5	1015.1	23.4	1.5	3.1	-6.2	1	14	0	4 4	109	
TASKENT	4116N	06916E	428	958.3	1013.8	20.3	0.2	11.5	-0.8	2	21	-24	3 3	355	115
KRASNODOVSK	4002N	05259E	89	1003.7	1013.2	20.8	1.2	12.3	0.8	1	1	-12	2 2	315	70
CARDZOU	3905N	06336E	193	990.6	1012.8	23.5	0.2	10.4	-0.6	0	0	-7	0 0	353	80
ASHABAD	3758N	05820E	228	986.3	1012.2	25.5	2.3	12.2	-0.4	3	15	-13	2 2	290	65
SAUDI ARABIA															
TURAIF	3141N	03840E	818	919.9	1504	Y	24.4		6.2		0	T			
ARAR	3054N	04108E	552	948.0	1008.6		28.2		5.7		0	T			
GURIAT	3125N	03716E	504	950.9	1010.0		25.0		8.6		0	T			319
AL-JOUF	2947N	04006E	689	934.4	1009.6		29.6		5.5		0	O			
RAFHA	2938N	04329E	447	958.7	1007.6		30.5		9.9		2	4			
HAFR AL-BATIN	2820N	04607E	360	967.7	1007.0		33.5		8.1		0	O			
TABUK	2822N	03638E	776	925.7	1010.0		27.0	0.7	11.7	2.8	0	T	-7	3 3	311
HAIL	2726N	04141E	1013	900.1	1525	Y	28.1	1.7	9.8	0.2	2	6	-13	2 2	
WEJH	2612N	03628E	21	1006.7	1009.1		26.9	4.6	21.3		0	O	-5	4 4	317
GASSIM	2618N	04346E	650	935.9	1005.6		31.9	2.5	14.4	3.5	6	202	194	6 6	
DHAHRAN	2616N	05009E	17	1004.5	1006.4		32.2	1.1	18.6	-0.1	0	T	-2	4 4	
AL AHSA	2517N	04929E	177	987.2	1006.5		33.5		17.9		0	O			
MADINAH	2433N	03942E	636	938.0	1006.2		32.5	0.4	9.6	1.2	5	5	0	4 4	
KING KHALED INT. AIRPORT	2456N	04643E	612	941.4	1007.2		32.8		7.7		0	T			
YENBO	2409N	03804E	6	1006.8	1007.5		30.1		21.7		0	O			
JEDDAH(KING ABDUL AZIZ IAP)	2140N	03909E	18	1005.8	1006.6		30.3		23.8		1	4			
MAKKAH	2129N	03950E	310	981.4	1015.6		33.6		21.2						
TAIF	2129N	04033E	1454	857.4	1512	Y	24.7		14.9		13	53			217
AL BAHA	2018N	04138E	1662	837.3	1527	Y	24.2		11.3		0	O			205
SULAYEL	2028N	04537E	614	940.6			36.1		9.6		0	O			

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN STATION mb	MEAN SEA LEVEL mb	OC	DEPARTURE	MEAN mb	DEPARTURE	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE hr	TOTAL hr
ASIA	0°	0°	3												
SAUDI ARABIA															
BISHA	1959N	04237E	1163		883.8	1506	Y	28.6	9.7		2			231	
ABHA	1814N	04239E	2093		793.8	1495	Y	19.8	12.6		28				
KHAMIS MUSHAIT	1818N	04248E	2054		798.2	1506	Y	21.4	10.2		36			226	90
NAJRAN	1737N	04426E	1210		879.0	1510	Y	30.5	6.0		0				
SHARURAH	1728N	04707E	722		928.1	1005.0		39.1	9.7		0				
GIZAN	1654N	04235E	3		1006.3	1006.6		31.7	29.9		0		0		
KUWAIT															
KUWAIT INT. AIRPORT	2913N	04759E	55		1001.9	1008.3		33.6	10.9		0	T		272	80
UNITED ARAB EMIRATES															
ABU DHABI BATEEN AIRPORT	2426N	05428E	3		1006.1	1006.6		31.6	23.1		0	0	4	346	100
ABU DHABI INT. AIRPORT	2426N	05439E	27	31	1003.7	1006.5		31.6	19.5		0	0			
OMAN															
SEEB, INTERNATIONAL AIRPORT	2335N	05817E	15		1004.8	1006.4		34.5	21.5		0	T			
SUR	2235N	05931E	5		1005.2	1006.7		35.1	23.7		0	0			
MASIRAH	2040N	05854E	19		1006.5	1008.7		30.1	30.0		0	0	4		
THUMRAIT	1740N	05402E	467		959.1			29.7	18.0		0	0			
SALALAH	1702N	05405E	22		1006.8	1009.5		29.6	29.5		1	7	5		
DEMOCRATIC YEMEN															
ADEN KHORMAKSAR	1250N	04502E	3		1009.2	1009.5		30.7	32.5		0	0			
PAKISTAN															
PESHAWAR	3401N	07135E	360			1007.1		25.9	-2.3	17.3	2.6	5	41	15	4
PARACHINAR	3352N	07005E	1726			1497	Y	18.1	-2.0	11.3	2.2	2	22	-52	1
JHELUM	3256N	07343E	234		979.0	1006.9		26.1	-5.2	18.9	4.9	9	71	47	6
ZHOB	3121N	06928E	1407		855.9	1466	Y	22.2	-3.2	8.5	-0.1	3	25	7	5
DERA ISMAIL KHAN	3149N	07055E	173		986.6	1005.9		27.1	-2.8	18.3	0.9	8	13	2	4
LAHORE CITY	3133N	07420E	215		982.5	1006.5		27.1	-4.3	18.9	4.0	12	111	97	6
QUETTA AIRPORT	3015N	06653E	1589		840.5	1492	Y	21.3	1.1	7.8	-2.1	1	5	-2	4
MULTAN	3012N	07126E	123		992.1	1005.6		29.6	-3.1	17.0	1.3	5	11	-2	4
JACOBABAD	2818N	06828E	56		997.9	1003.7		32.9	-1.8	18.4	2.9	1	5	1	4
JIWANI	2504N	06148E	57		999.7	1006.5		29.5	-0.2	29.8	1.6	0	0	0	5
HYDERABAD	2523N	06825E	30		1001.7	1005.3		33.1	-0.7	25.3	1.7	1	2	-4	4
KARACHI AIRPORT	2454N	06708E	22		1004.2	1006.9		30.5	-0.1	28.6	-0.7	0	0	0	5
BANGLADESH															
BOGRA	2451N	08922E	20		1004.4	1006.5		28.6		28.5	7	178		278	
SYLHET	2454N	09153E	35		1004.1	1008.2				26.0	19	217		215	
JESSORE	2311N	08910E	7		1006.0	1006.7		30.6		31.1	6	52		259	
CHITTAGONG. (PATENGA)	2216N	09149E	6		1007.4	1008.3		28.9		30.8	5	46		262	
COX'S BAZAR	2126N	09158E	4		1007.7	1008.1		27.8		30.3	4	49		313	
INDIA															
SRINAGAR	3405N	07450E	1587		841.7	1498	Y	14.9	-2.4	11.9	-0.7	16	191	118	6
AMRITSAR	3138N	07452E	234		980.7	1006.9		25.7	-4.2	19.5	3.4	9	19	5	4
BIKANER	2800N	07318E	224			1005.5		31.9	-2.2	14.5	1.4	4	27	12	5
NEW DELHI / SAFDARJUNG	2835N	07712E	216		981.7	1005.6		29.7	-3.1	17.2	1.0	5	57	40	5
AGRA	2710N	07802E	169			1005.1		30.8	-3.4	16.4	-1.9	5	61	51	6
DIBRUGARH/MOHANBARI	2729N	09501E	111	31	995.6	1008.1		25.5	0.1	25.4	-0.4	16	256	-66	3
JOHDPUR	2618N	07301E	224		981.5	1005.2		33.0	-1.2	14.4	-1.5	3	31	21	5
GAUHATI	2606N	09135E	54	31	1001.1	1007.3		27.5	0.8	26.7	-0.6	12	116	-118	1
ALLAHABAD/BAMHRAULI	2527N	08144E	.98			1005.4				14.8	-2.1	1	7	-2	4
CHEERRAPUNJI	2515N	09144E	1313	31	868.4	1497	Y	19.7	0.3	19.5	-1.3	24	652	-836	2
DALTONGANJ	2403N	08404E	221		978.6	1003.9		33.1	-0.5	17.0	4	11		-2	4
DUMKA	2416N	08715E	149		993.3	1007.2		31.0	-0.8	22.7	-4.0	5	28	-44	2
AHMADABAD	2304N	07238E	55		1001.0	1007.1		34.2	0.2	22.3	-0.4	1	4	-2	4
SAGAR	2351N	07845E	551		945.8	1005.1		32.4	-1.0	14.7	1.0	3	14	6	5
DWARKA	2222N	06905E	11		1007.6	1008.9		29.2	0.0	30.7	-3.4	0	0	-1	5
INDORE	2243N	07548E	567		945.0	1005.8		31.5	-0.8	12.5	-3.6	4	21	12	5
CALCUTTA/ALIPORE	2232N	08820E	6	31	1005.7	1006.4		30.9	-0.3	34.2	3.1	10	107	5	3
NAGPUR SONEGAON	2106N	07903E	310		971.9	1005.5		33.1	-2.2	16.3	2.5	5	22	6	4
VERAVAL	2054N	07022E	8		1007.7	1008.7		28.1	-0.5	31.9	-1.3	0	0	-2	4

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUANTILE	
ASIA	0°	0°	0'		mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	
INDIA															
AKOLA	2042N	07702E	282	974.9	1005.5	34.1	-0.9	17.9	2.1	1	23	15	5		
BHUBANESWAR	2015N	08550E	46	31	1001.8	1007.1	31.6	-0.7	29.9	-0.4	5	63	3		
JAGDALPUR	1905N	08202E	553	946.7	1006.6	29.3	-2.0	21.7	1.5	8	98	28	4		
BOMBAY/COLABA	1854N	07249E	11	1007.7	1008.9	30.7	0.5	30.1	-0.2	0	0	-11	2	309	
POONA	1832N	07351E	559	947.1	1007.9	29.3	-0.6	18.5	-0.7	7	117	71	5	302	
HYDERABAD AIRPORT	1727N	07828E	545	31	947.5	1006.2	31.9	-0.4	17.1	-1.1	7	27	-11	3	
VISHAKHAPATNAM	1743N	08314E	3	31	1007.5	1007.9	31.0	-1.0	30.0	-2.2	5	57	0	4	
MACHILIPATNAM (FRANCHPET)	1612N	08109E	3	31	1007.3	1007.6	31.1	-1.0	31.5	0.5	0	0	-32	1	
GOA/PANJIM	1529N	07349E	60	1002.2	1008.9	30.5	0.8	28.5	-0.8	1	4	-69	2		
BELGAUM/SAMBRA	1551N	07437E	747	927.1	1007.9	27.7	0.4	19.7	14	106					
MADRAS/MINAMBAKKAM	1300N	08011E	16	1006.1	1007.9	32.0	-0.7	30.5	1.9	1	1	-44	1	321	
BANGALORE	1258N	07735E	921	908.7	1509	27.7	0.8	18.5	-2.3	5	84	-35	2	273	
KOZHIKODE	1115N	07547E	5	1008.7	1009.3	29.7		31.1	7	65	1				
PORT BLAIR	1140N	09243E	79	1000.9	1009.7	27.8	0.3	29.8	-0.7	16	129	-302	0	152	
PAMBAN	0916N	07918E	11	1007.3	1008.5	31.4	1.3	32.2	-1.5	3	108	61	5		
MINICOY	0818N	07309E	2	1009.1	1009.3	29.9	1.3	32.2	1.7	10	132	-79	2	289	
TRIVANDRUM	0829N	07657E	64	1002.0	1009.2	29.3	1.2	31.5	0.9	9	197	-35	3	238	
SRI LANKA															
MANNAR	0859N	07955E	3	1008.7	1009.1	30.1	0.6	33.3	3.2	5	36	-18	3		
COLOMBO	0654N	07952E	7	1009.1	1009.9	28.8	0.8	32.1	0.7	11	198	-206	1	279	
HAMBANTOTA	0607N	08108E	20	1007.5	1009.3	28.3	0.3	32.0	1.6	5	67	-14	3		
HONG KONG															
ROYAL OBSERVATORY	2218N	11410E	62	1003.6	1010.8	25.0	-1.0	28.1	-0.2	16	460	156	4	103	
MACAU															
MACAO	2212N	11332E	59	1003.7	1010.5	25.7	-0.4	28.6	-0.1	15	374	48	4		
DPR KOREA															
CHUNGGANG	4147N	12653E	332	973.2	1011.5	15.1		9.7	7	37	1				
HYESAN	4124N	12810E	714	928.2	1012.4	12.8		8.2	2	8					
KIMCHAEK	4040N	12912E	23	1008.2	1011.0	12.4		11.0	2	26					
SINUJU	4006N	12423E	7	1012.9	1013.7	14.8		10.9	8	43	2				
WONSAN	3911N	12726E	36	1008.3	1012.6	17.6		10.0	3	28	1				
PYONGYANG	3902N	12547E	38	1009.6	1014.1	16.1		11.0	6	55	3				
HAEJU	3802N	12542E	81	1003.7	1013.3	15.5		11.8	9	76	3				
REPUBLIC OF KOREA															
KANGNUNG	3745N	12854E	27	1009.1	1012.3	18.7	1.3	11.1	-0.7	7	80	9	4	248	
INCHON	3729N	12638E	70	1005.4	1014.1	15.5	-0.2	13.1	0.9	6	116	40	5	262	
PUSAN	3506N	12902E	71	1005.2	1013.5	17.5	0.3	13.0	-0.7	7	99	-68	2	234	
MOKP'0	3447N	12623E	56	1007.5	1014.2	16.9	0.1	14.8	0.5	5	82	-22	2	237	
JAPAN															
WAKKANAI	4525N	14141E	11	1008.5	1009.8	8.6	-0.1	8.1	-0.5	9	56	-21	2		
ASAHIKAWA	4346N	14222E	116	997.3	1011.1	11.9	0.4	8.2	-0.7	8	80	6	4	218	
ABASHIRI	4401N	14417E	43	31	1005.8	1011.0	10.6	1.2	7.8	-0.6	7	35	-33	1	244
SAPPORO	4303N	14120E	19	1009.1	1011.3	12.0	0.0	8.6	-0.6	7	65	6	4		
NEMURO	4320N	14535E	26	1008.9	1012.1	7.8	0.5	8.2	-0.3	4	58	-47	2		
URAKAWA	4210N	14247E	33	31	1008.8	1012.8	9.4	0.0	9.4	-0.1	9	56	-51	1	226
AKITA	3943N	14006E	10	31	1012.8	1014.0	14.3	0.2	11.2	-0.4	9	143	26	4	196
MIYAKO	3939N	14158E	47	1007.8	1013.4	13.5	0.2	10.2	-0.5	7	62	-38	3		
SENDAI	3816N	14054E	43	1008.9	1014.1	14.9	0.0	11.5	-0.2	9	100	-9	3		
WAJIMA	3723N	13654E	6	1012.3	1013.9	15.5	0.3	12.3	-0.3	9	156	29	5		
NIIGATA	3755N	13903E	6	31	1013.4	1014.2	16.6	0.7	12.3	-0.3	8	145	54	5	222
KANAZAWA	3633N	13639E	28	31	1010.9	1014.2	17.3	0.5	12.7	-0.6	9	204	58	5	200
MATSUMOTO	3615N	13758E	611	943.4	1013.2	16.0	0.7	10.7	0.2	8	92	-5	3		
MAEBASHI	3624N	13904E	113	31	1000.4	1013.6	18.7	1.6	12.7	0.1	9	57	-42	1	220
NAGOYA	3510N	13658E	56	31	1008.0	1014.5	18.6	0.6	13.8	-0.1	11	256	94	5	232
CHOSH	3543N	14051E	28	31	1011.1	1014.3	17.0	0.0	16.3	0.9	12	129	-35	2	198
OMAEZAKI	3436N	13813E	47	31	1008.6	1014.0	18.6	0.7	16.2	0.1	11	291	51	4	202
TOKYO	3541N	13946E	36	1009.7	1013.9	19.3	0.9	14.3	0.3	5	65	-83	1		
HACHIJOGIMA	3306N	13947E	80	1005.2	1014.5	19.4	0.2	17.8	0.4	13	154	-126	1		
YONAGO	3526N	13321E	8	1012.9	1013.8	17.1	0.2	13.7	0.2	8	81	-45	2		

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	MM DEPARTURE	QUINTILE	
ASIA	0°	0°	3	mb	mb	mb	°C	°C	mb	mb	mm	mm	mm	%	
JAPAN															
HIROSHIMA	3422N	13226E	30	31	1010.5	1014.1	18.2	0.6	15.3	1.2	11	179	18.4	241	109
OSAKA	3441N	13531E	50	31	1008.4	1014.3	19.3	0.4	14.7	0.9	9	161	20.4	217	104
SHIONOMISAKI	3327N	13546E	75		1005.4	1014.2	18.5	-0.2	17.1	1.0	11	275	-12.3		
IZUHARA	3412N	12918E	22	31	1011.2	1013.8	17.1	-0.2	15.3	1.2	8	182	-37.3	210	105
FUKUOKA	3335N	13023E	14		1012.2	1013.8	19.0	0.6	15.4	0.8	12	134	-9.3		
OITA	3314N	13137E	13	31	1012.3	1013.8	18.4	0.5	15.8	0.6	11	149	-11.3	220	109
NAGASAKI	3244N	12952E	35	31	1009.5	1013.6	18.9	0.1	16.5	0.9	11	203	-1.3	193	96
KAGOSHIMA	3134N	13033E	5		1012.9	1013.5	20.7	1.0	14.7	-2.4	15	345	70.4		
MIYAZAKI	3155N	13125E	7	31	1012.8	1013.6	20.0	0.6	18.3	0.9	13	299	9.3		98
KOCHI	3333N	13332E	18	31	1012.1	1014.1	19.2	0.1	16.1	0.5	13	370	93.5	225	112
SHIMIZU/ASHIZURI	3243N	13301E	33		1010.1	1013.9	19.7	-0.1	18.0	1.2	13	226	-52.2		
NAZE	2823N	12930E	7		1012.3	1013.2	22.6	0.0	22.5	1.5	17	336	-29.2		
ISHIGAKIJIMA	2420N	12410E	7		1011.1	1011.9	25.7	0.0	27.6	0.2	14	406	187.5		
MIYAKOJIMA	2447N	12517E	41	31	1007.5	1012.1	25.1	0.3	27.8	1.8	17	149	-63.2	146	88
NAHA	2614N	12741E	36		1006.3	1012.4	24.4	0.7	25.7	1.7	15	287	38.3		
MINAMIDAITOJIMA	2550N	13114E	15		1011.5	1013.2	24.7	0.7	26.9	2.1	9	102	-88.2		
THAILAND															
CHIANG MAI	1847N	09859E	314		977.3	1007.0	30.1	1.5	27.6	-1.1	11	92	-78.1		
UDON THANI	1723N	10248E	182		987.0	1007.2	30.3	0.9	30.0	0.0	8	238	21.3		
PHITSANULOK	1647N	10016E	45		1002.3	1007.4	31.8	1.6	29.0	-1.9	7	92	-106.1	1280	
NAKHON SAWAN	1548N	10010E	35		1003.5	1007.5	31.9	1.3	30.4	0.0	8	71	-74.1	271	
NAKHON RATCHASIMA	1458N	10205E	188		986.9	1008.0	30.3	0.7	29.7	-1.2	12	148	-3.3		
BANGKOK	1344N	10034E	20		1006.3	1008.6	30.2	0.4	31.6	-1.5	10	146	-39.2	216	95
ARANYAPRATHET	1342N	10235E	49		1003.5	1008.8	30.7	1.1	32.7	-0.1	11	150	-26.2		
CHANTHABURI	1236N	10207E	4		1008.9	1009.3	29.3	1.1	32.8	0.5	13	144	-196.1	200	
PRAKHUP KHIRIKHAN	1150N	09950E	5		1008.2	1008.8	29.3	0.4	30.7	-0.5	4	67	-53.2		
CHUMPHON	1029N	09911E	5		1008.8	1009.5	29.4	1.1	32.8	1.6	16	215	33.4	212	
SONGKHLA	0712N	10036E	5		1008.2	1009.0	29.1	0.4	29.5	-0.8	7	56	-66.1	245	
CHINA															
HAILAR	4913N	11945E	611		936.6	1008.5	8.9	-1.5	4.3	2	139	109.6	259	90	
QIQIHAAR	4723N	12355E	148		989.4	1007.1	12.7	-1.9	6.4	4	25	3.4	263	95	
ALTAY	4744N	08805E	737		930.5	1015.2	14.4	-0.5	8.4	4	35	19.5	307	95	
YINING	4357N	08120E	663		940.0	1016.0	16.9	0.3	10.9	4	14	-15.2	322	110	
URUMQI	4347N	08737E	919		911.7	1015.3	16.3	-0.9	8.1	6	27	-2.3	321	110	
KASHI	3928N	07559E	1291		870.4	1011.3	17.8	-2.1	8.9	4	12	-1.4	243	90	
RUOQIANG	3902N	08810E	889		910.7	1009.1	21.1	-0.2	6.8	0	T	-1.3	303	110	
HOTAN	3708N	07956E	1375		861.3	1010.2	18.2	-2.2	9.1	6	30	23.5	244	105	
HAMI	4249N	09331E	739		926.7	1009.5	20.0	-0.2	7.5	1	5	2.4	320	95	
JIUQUAN	3946N	09829E	1478		851.1	1012.0	15.2	-0.4	6.7	2	12	3.4	281	95	
DULAN	3618N	09806E	3192		692.0		7.1	-1.8	4.8	11	46	-5.4	241	85	
LANZHOU	3603N	10353E	1518		847.5		15.7	-0.9	9.5	7	49	13.4	208	80	
ERENHOT	4339N	11200E	966		901.5	1010.5	14.0	-0.7	4.2	2	5	-4.2	349	110	
YINCHUAN	3829N	10613E	1112		887.9	1010.9	17.5	0.6	8.5	2	3	-12.1	257	90	
TAIYUAN	3747N	11233E	779		923.1	1010.9	18.5	0.8	1.1	3	44	-10.5	251	90	
YANJI	4253N	12928E	178		988.9	1010.1	13.7	-0.6	8.4	8	40	-4.3	260	110	
SHENYANG	4146N	12326E	43		1006.2	1011.3	16.9	-0.3	9.8	5	24	-29.1	270	100	
BEIJING	3956N	11617E	55		1004.7	1011.2	19.9	0.0	12.8	7	65	29.5	280	95	
QINGDAO	3604N	12020E	77		1004.0	1013.2	15.0	-1.4	12.9	3	39	-9.3	262	110	
LHASA	2940N	09108E	3650		653.0		12.5	0.1	4.2	0	T	-22.1	308	110	
CHENGDU	3040N	10401E	508		953.0	1010.5	21.5	0.5	18.6	5	31	-66.1	121	30	
XICHANG	2754N	10216E	1599		834.8		23.8	2.6	11.7	7	47	-42.2	314	145	
TENGCHONG	2507N	09829E	1649		834.1		18.6	0.5	13.9	5	9	-124.0	0	271	160
KUNMING	2501N	10241E	1892		809.0		20.8	1.7	13.4	5	37	-56.2	308	130	
MENGZI	2323N	10323E	1302		866.6	1004.7	24.8	2.0	17.5	7	35	-34.1	276	135	
XI'AN	3418N	10856E	398		965.9	1011.8	19.3	0.2	16.3	8	168	100.6	157	70	
ZHENGZHOU	3443N	11339E	111		998.2	1011.2	21.1	-0.1	16.8	4	27	-16.3	205	50	
YICHANG	3042N	11118E	134		996.0	1011.6	21.7	0.2	19.8	11	241	112.6	156	105	
ZHIJIANG	2727N	10941E	273		979.2	1010.7	21.0	-0.2	20.9	14	225	19.4	106	90	
GANZHOU	2551N	11457E	125		996.1	1010.5	23.6	2.2	23.6	15	206	4.3	122	85	
SHANGHAI	3110N	12126E	7		1012.1	1012.9	18.8	0.0	16.9	9	132	13.4	186	115	
GUANGZHOU	2308N	11319E	8		1009.5	1010.4	25.5	-0.2	27.8	16	368	117.5	60	40	
SHANTOU	2324N	11641E	3		1010.9	1011.8	23.4	-0.9	25.1	11	449	268.6	116	85	
NANNING	2249N	10821E	73		999.6	1007.9	26.3	0.2	28.0	11	227	58.5	127	75	

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN mb	STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DEPARTURE mm	TOTAL mm	% OF AV.
ASIA	0°	0°	0											
CHINA														
HAIKOU	2002N	11021E	15	1006.7	1008.4		27.9	0.6	30.8		17	274	102	5
AFRICA														
MADEIRA														
FUNCHAL	3238N	01654W	56	1011.6	1018.2		18.7		15.1		4	14	3	197
ALGERIA														
JIJEL	3650N	00547E	2	1015.3	1016.1		17.8		15.4		6	79	233	55
SKIKDA	3656N	00657E	7	1016.1	1016.3		17.3	-0.3	15.2	0.3	7	82	61	231
ANNABA	3650N	00749E	4	1015.2	1015.7		16.9	-0.8	15.4	-0.4	9	69	39	77
EL-KALA	3654N	00827E	10	1015.4	1016.7		17.3		15.4		10	77		
DAR-EL-BEIDA	3643N	00315E	25	1012.7	1015.7		17.6	-0.4	14.5	-0.1	4	12	-23	280
BEJAIA	3643N	00504E	2	1015.8	1016.2		17.1	-0.1	15.9	0.4	9	47	14	4
CONSTANTINE	3617N	00637E	694	936.3	1015.6		14.8	-1.4	12.3	0.4	5	43	1	4
CHLEF	3613N	00120E	143	999.1	1015.9		19.4				3	8		129
MILIANA	3618N	00214E	715	933.9	1015.5		16.9	-0.7	11.1		2	6	-46	1
BORDJ BOU ARRERIDJ	3604N	00446E	928	910.9			15.7		9.9					285
SETIF	3611N	00525E	1081	899.6	1516	Y	14.8		10.6		4	44		293
MOSTAGANEM	3553N	00007E	137	998.3	1014.9		17.8		13.6		1	13		
M'SILA	3540N	00430E	441	961.8	1014.8		20.6							
ORAN/ES SENIA	3538N	00036W	90	1005.0	1015.7		18.3	-0.3	13.4	-0.8	2	12	-15	3
MASCARA GRISS	3516N	00009E	511	957.0	1015.5		17.9		11.6			15		310
TIARET	3515N	00126E	1127	905.5	1509	Y	15.8		9.3		3	15		104
BENI-SAF	3518N	00121W	68	1001.4	1006.4		18.8		16.1		2	12		284
MAGHNIA	3449N	00147W	426	966.7	1015.8		18.0		13.4		3	13		75
BISKRA	3448N	00544E	87	1002.8	1012.9		24.8	0.1	9.3	-1.6	1	6	-2	309
TLEMCEN (ZENATA)	3501N	00128W	247	988.4	1015.5		18.4		12.2		3	14		70
EL KHEITER	3409N	00004E	1000	901.7	1502	Y	18.0		8.6		1	2		287
LAGHOUAT	3346N	00256E	765	929.7	1015.4		21.3	0.2	8.8		4	4	-15	2
MECHERIA	3456N	00026W	1149	887.9	1522	Y	18.7		7.8					
ELBAYADH	3340N	00100E	1341	866.4	1510	Y	17.3		7.0		3	8		319
TOUGGOURT	3307N	00608E	85	1002.4	1012.3		24.7		12.1		1	1		286
EL OUED	3330N	00607E	63	905.4	1012.6		24.6		1.1		0	1		286
AIN SEFRA	3246N	00036W	1058	893.7			21.2		9.0		2	5		288
GHARDAIA	3223N	00349E	450	960.2	1012.7		24.7		8.7		2	4		100
BECHAR	3137N	00214W	773	921.4	1507	Y	25.0	0.3	8.5	-0.3	3	21	17	275
HASSI-MESSAOUD	3140N	00609E	142	994.8	1011.2		27.2		9.8		0	1		128
BENI ABBES	3008N	00210W	499	953.7	1009.4		28.6		8.2		2	2		273
TIMIMOUN	2915N	00017E	312	974.7	1009.5		30.3		6.9					65
ADRAR	2753N	00017W	263	981.4	1010.0		31.7	3.3	6.4	-0.8				267
IN SALAH	2712N	00228E	293	979.0	1009.8		33.3	3.1	9.5	1.7	0	0	0	71
ILLIZI	2630N	00825E	558	948.1	1008.3		3.3		10.0		0	0		
TAMANRASSET	2247N	00531E	1378	865.0	1532	Y	29.4	3.7	5.6	-0.8	0	T	-5	254
TUNISIA														
TUNIS CARTHAGE	3650N	01014E	4	1014.5	1015.0		17.8	-1.1	14.0	-0.7	6	26	0	3
NIGER														
BILMA	1841N	01255E	357	967.9	1006.7		32.9	0.6	9.0	1.4	0	0	-1	349
AGADEZ	1658N	00759E	502	951.9	1005.9		34.5	1.3	6.9	-2.7	1	3	-5	312
TILLABERY	1412N	00127E	210	983.3	1006.2		34.7	0.5	19.1	-0.7	0	0	-20	0
TAHOUA	1454N	00515E	391	963.3	1005.5		35.0	1.2	10.7	-5.7		25	6	304
GOURE	1359N	01018E	460	958.0	1005.5		34.4		7.7		2	35	5	305
N'GUIGMI	1415N	01307E	286	974.5	1005.7		34.1	1.6			1	1	-6	4
NIAMEY-AERO	1329N	00210E	227	981.1	1003.8		35.3	1.8	17.4	-2.9	2	22	-12	3
BIRNI-N'KONNI	1348N	00515E	273	975.9	1005.5		34.9	2.1	15.1	-4.7	1	51	18	4
MARADI	1328N	00705E	373	965.4	1005.8		33.5	1.4	13.0	-6.5	1	33	10	4
ZINDER	1347N	00859E	453	957.0	1005.8		34.4	1.5	10.4	-4.5	0	T	-26	1
MAGARIA	1259N	00856E	403	953.4	1007.2		32.6		11.8		1	2	1	297
MAINE-SOROA	1314N	01159E	337	969.0	1005.5		34.3	1.7	10.0	-7.7	0	T	-13	1
GAYA	1153N	00327E	203	983.1	1005.2		34.5	2.9	21.0	-4.1	4	50	-22	2
MALI														
TOMBOUCTOU	1643N	00300W	264	976.9	1005.4		36.1	2.1	10.8	-0.5	0	T	-4	3

AFRICA-MALI

SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE	
AFRICA	0°	0°	0		mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	%
MALI															
GAO	1616N	00003W	260	977.5	1005.4	37.4	2.3	11.5	-1.9	1	2	-6	3	245	86
KAYES	1426N	01126W	47	1002.9	1008.0	36.1	1.1	18.8	2.9	2	5	-8	2	170	67
MOPTI	1431N	00406W	272	977.0	1006.3	36.0	3.2	16.9	0.4	2	1	-28	0	270	115
SIKASSO	1121N	00541W	375			30.3	0.8	23.5	-1.1	8	73	-34	2	250	
MAURITANIA															
BIR MOGHREIN	2514N	01137W	360	972.0	1012.2	26.7	2.6	17.1	1.2	0	0	-T	0	280	
ZOUERATE	2245N	01229W	343	973.1	1011.4	22.3		18.6		0	0			237	
NOUADHIBOU	2056N	01702W	3	1012.9	1013.4	21.5	0.7	18.1	1.6	0	T	-7	5	184	
ATAR	2031N	01304W	224	985.2	1009.8	34.1	3.7	7.8	-1.4	0	T	-1	4	189	
AKJOUJT	1945N	01422W	120	997.2	1010.4	35.2	3.5	17.1	5.0	0	0	-1	0	148	
NOUAKCHOTT	1806N	01557W	3	1009.4	1009.8	27.7	1.9	16.6	0.0	0	0	0	0	122	
TIDJIKJA	1834N	01126W	402	964.6	1008.0	36.5	4.4	9.9	2.0	0	0	-3	0	186	
BOUTILIMIT	1732N	01441W	75	1000.9	1009.2	34.6	2.9	2.8	-7.6	0	1	-2	4	121	
ROSSO	1630N	01549W	6	1009.5	1010.2	30.5	1.4	1.8	-12.6	0	0	-1	0		
KAEDI	1609N	01331W	18	1007.8	1009.7	35.9		13.1		0	0				
NEMA	1636N	00716W	269			38.9	3.3	9.1	0.0	0	0	-7	0	135	
KIFFA	1638N	01124W	115	993.7	1006.3	37.6	2.7	10.6	-0.9	0	0	-1	0	139	
AIOUN EL ATROUSS	1642N	00936W	223	981.2	1005.4	37.5	3.0	7.1	-2.3	1	1	-1	3	170	
SENEGAL															
SAINT-LOUIS	1603N	01627W	4	1009.7	1010.2	25.3	1.9	22.0	3.1	0	0	-1	0	176	
PODOR	1639N	01458W	7	1008.5	1009.3	33.9	2.0	14.9	2.1	0	T	-1	5	144	
LINGUERE	1523N	01507W	21	1006.5	1008.8	32.9	1.5	23.1	8.3	0	0	-2	0	229	
MATAM	1539N	01315W	17	1005.4	1007.5	36.4	2.6	16.9	3.3	0	T	-3	3	168	
DAKAR/YOFF	1444N	01730W	24	1007.6	1010.9	24.2	1.2	23.8	1.7	0	T	-1	5	197	
DIOURBEL	1439N	01614W	9	1008.7	1009.7	30.2	0.7	21.0	3.2	0	0	-5	4	240	
KAOLACK	1408N	01604W	7	1009.9		30.1	0.2	24.8	5.6	0	0	-5	0	231	
TAMBACOUNDA	1346N	01341W	50	1003.3	1008.9	33.4	0.9	21.5	5.4	1	21	3	4	205	
ZIGUINCHOR	1233N	01616W	23	1008.2	1010.8	28.6	0.8	29.2	6.5	1	-4	3	231		
KOLDA	1253N	01458W	10			32.2	1.0	25.0	3.1	1	5	-8	3	197	
KEDOUGOU	1234N	01213W	167	989.5	1007.9	32.4	1.3	23.8	2.2	7	76	32	5	237	
GAMBIA															
BANJUL/YUNDUM	1321N	01648W	36	1006.9	1010.6	27.9	2.1	25.4	6.4	0	0	-8	0	151	
UNITED KINGDOM (OCEAN IS.)															
ST. HELENA IS.	1556S	00540W	436	966.3	1016.7	20.1	2.4	18.6		5	74	0	3	144	
FRANCE (OCEAN ISLANDS)															
ILES GLORIEUSES	1135S	04717E	4	1013.4	1013.9	27.4	-0.7	28.0	2.4	9	75	-15	3	254	
ILE JUAN DE NOVA	1703S	04242E	10	1013.1	1014.3	27.3	0.7	26.6	-0.5	0	1	-7	1	306	
ILE EUROPA	2219S	04020E	13	1015.7	1017.2	24.4	1.0	22.2	0.5	0	1	-30	1	299	110
SERGE-FROLLOW (ILE TROMELIN)	1553S	05431E	13	1011.6	1013.0	27.1	1.1	28.0	3.1	11	43	-38	2	228	
SAINTE-DENIS/GILLOT (REUNION)	2053S	05531E	25	1012.7	1015.6	24.1	0.9	22.5	1.6	11	166	72	4	219	95
MARTIN DE VIVIES(ILE AMST.)	3748S	07732E	29	1015.9	1019.4	16.0	2.9	14.9	2.0	14	123	16	4	86	
ALFRED FAURE (ILES CROZET)	4626S	05152E	142	985.0	1002.3	4.8		7.5		27	239			78	
PORT-AUX-FRANCAIS(ILES KER.)	4921S	07015E	30	993.0	996.7	4.0	0.4	6.9	-0.2	21	216	133	6	80	
MAURITIUS															
AGALEGA	1026S	05645E	3	1010.6	1010.9	27.6	0.7	31.2	2.3	22	359	229	5		
ST. BRANDON (ST. RAPHAEL)	1627S	05937E	4	1012.6	1012.9	26.7	0.7	27.5	0.7	10	94	31	5		
RODRIGUES	1941S	06325E	59	1009.0	1015.3	24.9	0.6	23.7	0.4	9	92	-21	3	235	95
PLAISANCE (MAURITIUS)	2026S	05740E	57	1009.1	1015.4	24.1	1.0	24.3	-0.8	20	159	-4	4	175	90
LIBYAN ARAB JAMAHIRIYA															
TRIPOLI INT. AIRPORT	3240N	01309E	81	1004.1	1013.4	21.3	-0.6	15.1	1.8						
SEBHA	2701N	01426E	432	962.5	1010.7	28.8	0.9	10.4	0.3					72	
SUDAN															
WADI HALFA	2149N	03129E	183	987.7	1008.1	32.8	2.2	9.8		0	T	0	5		
ABU HAMED	1932N	03319E	312	971.7	1005.9	33.5	0.5	10.5	1.8	0	0	0	0		
PORT SUDAN	1935N	03713E	2	1007.9	1008.2	30.3	1.2	25.0	0.1	0	T	-2	4		
KARIMA	1833N	03151E	249	979.4	1006.7	33.6	0.7	10.4	1.7	2	2	2	5		
ATBARA	1742N	03358E	345	967.1	1005.2	33.7	-0.1	13.3	2.3	1	1	-2	4		

AFRICA-SUDAN

SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	mb	MEAN SEA LEVEL	°C	°C	mb	mb	DEPARTURE	MEAN	DEPARTURE	MM	TOTAL hr
AFRICA	0°	0°	3													
SUDAN																
KHARTOUM	1536N	03233E	380		962.3	1004.7		33.7	-0.2	14.9	4.2	5	21	17.5		
KASSALA	1528N	03624E	500		951.4	1006.1		31.9	-0.9	18.5	3.1	15	45	36.6	180	65
WAD MEDANI	1424N	03329E	408		960.7	1005.0		31.0	-1.4	17.4	4.3	8	43	30.5		
GEDAREF	1402N	03524E	599		939.9	1005.4		29.7	-2.3	18.6	2.7	5	54	31.6		
ABU NA'AMA	1244N	03408E	445		956.4	1005.1		31.2	-0.2	18.1	8	88	53.5			
KADUGLI	1100N	02943E	499		952.6	1007.6		29.3		15.3	3	106	4			
ETHIOPIA																
ASMARA	1517N	03855E	2325	.31	772.3			14.4	-4.5	11.6	2.3	12	207	169.6		68
JIMMA	0740N	03650E	1577	.31	830.8			20.5	0.5	17.2	0.8	21	181	22.4		95
ADDIS ABABA	0859N	03848E	2324		774.0	1515	Y	17.5	-1.1	12.9	15	177	101.5	206		87
KENYA																
MOYALE	0332N	03903E	1097					22.1		20.2		16	273	143.5	183	
ELDORET	0032N	03517E	2133		790.3	1491	Y	17.3		14.2	19	273	5.211		85	
GARISSA	0028S	03938E	147		994.2	1010.9	Y	31.1	2.3	22.4	-1.1	2	20	-2.3	301	
NAIROBI/KENYATTA AIRPORT	0119S	03655E	1624		839.7	1514	Y	19.8	0.6	16.5	11	93	-34.3	167		85
MALINDI	0314S	04006E	23		1009.5	1012.2		26.6		28.2	17	264	-36.3	189		85
UNITED REPUBLIC OF TANZANIA																
MWANZA	0228S	03255E	1140		886.9	1510	Y	22.5		19.6		8	536	459.6		
TABORA AIRPORT	0505S	03250E	1190		883.1	1505	Y	22.7	0.6	17.7	1.3	1	442	417.6		
DODOMA	0610S	03546E	1120		891.9	1532	Y	22.6		17.8	2	5	1.4			
DAR ES SALAAM AIRPORT	0652S	03912E	55		1008.1	1014.0		26.2	0.7	28.0	3.2	13	247	82.4		
SONGEA	1041S	03535E	1067		899.8	1556	Y	20.4	0.9	17.2	0.5	1	6	-7.3		
MTWARA	1016S	04011E	113		1000.9	1013.7		26.0		26.0	3	59	4			
RWANDA																
KIGALI	0158S	03007E	1497		851.5	1513	Y	20.3		18.9	16	214				
CONGO																
POINTE-NOIRE	0449S	01154E	17		1008.7	1010.7		25.4	-0.3	29.7	3	448	371.6	180	137	
LOUBOMO	0412S	01242E	330		974.4			25.9	0.4	27.1	6	111	27.4	158	105	
BRAZZAVILLE/MAYA-MAYA	0415S	01515E	316		973.9	1008.8		26.7	1.0	27.5	9	697	571.6	225	165	
DJAMBALA	0232S	01446E	790		922.8	1007.7		23.9	0.5	24.1	9	106	-98.1	207	125	
OUESSO	0137N	01603E	352		971.4	1010.5		25.9	-0.1	27.7	0	1	-181.0	206	109	
IMPFONDO	0137N	01804E	326		972.9	1009.9		26.5	0.5	27.6	9	24	-142.0	175	100	
GABON																
LIBREVILLE	0027N	00925E	15		1008.8	1010.2		27.4	0.7	30.4	0.7	12	71	-197.1	20	
MAYUMBA	0325S	01039E	34		1006.2	1011.8		26.4	0.6	30.4	1.5	6	259	164.5		
COCOBECHE	0100N	00936E	13		1009.0	1010.5		27.2	0.8	30.9	0.5	13	314	-49.2		
BITAM	0205N	01129E	599		943.7	1009.5		24.3	-0.3	26.0	0.7	15	158	-70.2	146	
MEKAMBO	0101N	01356E	501		954.5	1009.3		24.8	0.5	25.6	0.4	9	72	-96.1	174	
MOUILA	0152S	01101E	89		1000.1	1010.2		26.9	0.3	30.7	1.6	10	116	-58.1		
LAMBARENE	0043S	01014E	26		1007.4	1010.3		26.8	0.4	32.4	2.8	12	109	-74.2	86	
MITZIC	0047N	01132E	583		945.5	1009.8		24.3	0.2	26.2	0.7	10	134	-62.1	193	
MAKOKOU	0034N	01252E	515		953.0	1009.8		24.8	0.3	26.8	1.5	10	156	-52.2	204	
REPUBLIC OF CAMEROON																
MAROUA-SALAK	1027N	01415E	422					34.7	3.8	16.1	5	36	-48.2	295	119	
GAROUA	0920N	01323E	244		980.1	1005.9		33.5	3.2	19.2	5	63	-53.2	275	107	
NGAOUNDERE	0721N	01334E	1104		890.0	1496	Y	23.3	0.5	20.6	13	128	-77.1	205	112	
YOKO	0533N	01222E	1031		898.0	1482	Y	23.3	0.9	22.8	12	109	-65.1	219	106	
DOUALA OBS.	0400N	00944E	9		1008.8	1009.8		26.8	-0.4	30.0	14	258	-30.2	172	130	
BATOURI	0428N	01422E	656		937.0	1008.8		24.6	-0.5	24.9	14	279	106.5	222	116	
CAMEROON																
KRIBI	0257N	00954E	16		1008.1	1009.9		27.6	1.2	31.4	13	280	-82.2			
BENIN																
KANDI	1108N	00256E	292		955.1	1008.6		28.9	-0.8	24.4	-1.6	8	66	-37.2	221	
NATITINGOU	1019N	00123E	461		958.1	1008.6		28.9	1.4	24.4	-1.4	8	66	-58.1	221	
PARAKOU	0921N	00237E	393		965.6	1008.8		28.9	1.9	24.9	-1.3	7	69	-55.1	247	
SAVE	0759N	00226E	200	31	987.1	1009.4		27.7	0.6	27.8	0.0	10	178	46.4		

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION mb	MEAN SEA LEVEL mb	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE hr	TOTAL hr	% OF AV.
AFRICA	0°	0°	#													
BENIN																
BOHICON	0710N	00204E	167		991.1	1009.8	28.0	0.7	30.5	1.9	10	119	-31	2	227	
COTONOU	0621N	00223E	9		1009.0	1010.0	29.0	1.7	32.1	1.1	6	121	-78	1		
TOGO																
DAPAON	1052N	00015E	330		972.0	1008.5	31.4		23.5		5	60				
MANGO	1022N	00028E	146		991.6	1007.9	31.8	2.5	26.8	-1.0	4	52	-107	1	206	
SOKODE	0859N	00109E	387		965.7	1009.1	27.9	1.3	26.2	-0.3	9	89	-60	2	85	
ATAKPAME	0735N	00107E	402		964.8	1009.9	26.8	0.8	26.1	0.1	8	147	12	4	224	
TABLIGBO	0635N	00130E	44		1005.2	1010.3	27.9	0.5	30.8	1.2	8	116	-20	2		
LOME	0610N	00115E	25		1007.5	1010.3	28.8	1.8	32.2	2.3	6	25	-123	0	224	
BURKINA FASO																
DORI	1402N	00002W	277		975.9	1006.0	35.4	1.7	16.6	-3.2	0	T	-26	1	345	
OUAHIGOUYA	1334N	00225W	336		969.5	1005.8	35.2	2.3	15.7	-4.6	0	0	-31	0	303	
OUAGADOUGOU	1221N	00131W	306		973.5	1006.7	33.7	2.5	28.0	4.6		67	-21	2	296	
FADA N'GOURMA	1202N	00022E	309		973.0	1006.7	33.3	2.5	20.8	-3.5	3	21	-64	1	284	
BOBO-DIOULASSO	1110N	00419W	460		957.7	1007.8	30.5	1.9	24.1	0.2	5	53	-58	1	84	
BOROMO	1145N	00256W	271		977.4	1007.0	32.8	2.3	22.8	-1.3	4	62	-28	2	287	
GAOUA	1020N	00311W	335		971.5	1008.3	30.1	1.5	27.3	1.2	8	38	-81	1	274	
LIBERIA																
ROBERTS FIELD	0615N	01021W	18		1009.9	1010.9	27.5	1.1	30.6	1.0	16	137	-155	1	135	
FRANCE (COMOROS)																
DZAOUZI/PAMANZI (MAYOTTE)	1248S	04517E	7		1012.0	1012.8	27.7	1.2	28.1	0.4	2	9	-54	2	302	
MADAGASCAR																
TAMATAVE	1807S	04924E	6		1016.0	1016.7	22.9	-0.3	24.7	0.3	24	300	59	4	182	
MOZAMBIQUE																
LICHINGA	1317S	03515E	1365		868.2	1544	Y	18.4	1.7	15.7	1.2	0	T	-24	2	
NAMPULA	1506S	03917E	441		965.5	1016.9	23.2	1.4	21.7	1.7		62	39	5		
TETE	1611S	03335E	150		998.7	1016.0	26.4	2.0	20.8	2.7	2	6	2	5		
QUELIMANE	1753S	03653E	16		1015.6	1017.5	23.5	0.1	22.9	0.7	6	35	-49	1		
BEIRA	1948S	03454E	16		1015.5	1017.3	24.1	1.3	36.4	15.3	7	111	40	4		
ZAMBIA																
KASAMA	1013S	03108E	1384		864.7	1528	Y	19.8	0.8	14.7	-0.1	0	0	-16	2	
MONGU	1515S	02309E	1053		898.3	1527	Y	21.5	1.7	12.8	0.3	3	5	0	5	302
KABWE	1427S	02828E	1207		883.4	1535	Y	19.8	2.0	12.2	-0.6	0	0	-5	4	277
LIVINGSTONE	1749S	02549E	986		906.1	1535	Y	21.7	2.8	10.6	-0.5	0	0	-3	0	290
MALAWI																
KAMUZU INT'L.	1347S	03346E	1229	31	882.3	1541	Y	18.6		14.7		1	2			
ZIMBABWE																
HARARE (KUTSAGA OBSY.)	1755S	03108E	1480		857.1	1547	Y	16.5	0.6	10.1	-0.7	0	1	-11	2	270
BULAWAYO (GOETZ OBSY.)	2009S	02837E	1344		870.8	1550	Y	18.9	2.8	8.8	-1.1	0	0	-9	0	273
SOUTH AFRICA																
PIETERSBURG	2352S	02927E	1200		886.6	1558	Y	17.1	2.6	10.5	0.3	0	T	-11	1	298
PRETORIA	2544S	02811E	1300		876.1	1557	Y	16.9	3.3	8.2	-1.0	0	0	-21	0	307
JAN SMUTS	2608S	02814E	1700		835.9	1558	Y	15.7	3.5	7.4	-0.5	0	0	-21	1	294
ALEXANDER BAY	2834S	01632E	21	31	1013.2	1015.9	18.4	3.1	13.4	0.5	0	0	-7	0	272	
UPINGTON	2824S	02116E	800		927.4	1545	Y	19.1	4.2	7.2	-1.3	1	2	-10	2	303
KIMBERLEY	2848S	02446E	1200		886.2	1550	Y	15.4	2.1	6.3	-2.0	0	T	-20	1	303
BLOEMFONTEIN (J.B.M. HERTZOG)	2906S	02618E	1400		866.0	1556	Y	12.7	2.1	6.0	-1.9	0	T	-21	1	289
BETHLEHEM AIRPORT	2815S	02820E	1700		836.3	1562	Y	11.4		6.2	1	9		284	115	
LADYSMITH	2834S	02946E	1100		897.0	1556	Y	15.7		18.9	0	0		289	110	
DURBAN (LOUIS BOTHA)	2958S	03057E	8		1015.7	1017.3	21.0	2.3	18.2	1.9	4	33	-24	3	241	
BEAUFORT WEST	3221S	02236E	800		925.4	1518	Y	16.4	2.6	8.7	1	4	-15	2	262	
CAPE TOWN (D.F. MALAN)	3359S	01836E	42		1010.3	1016.1	15.9	1.8	14.6	-1.9	11	121	45	4	185	
GEORGE AIRPORT	3400S	02223E	193		992.8	1016.5	17.0	2.9	13.7	2	4	-60	0	224	115	
PORT ELIZABETH	3359S	02536E	60		1009.1	1016.4	17.6	1.9	14.5	0.7	3	20	-49	1	237	
EAST LONDON	3302S	02750E	125		1001.6	1016.6	18.8	2.0	14.4	0.5	4	46	-11	3	243	
															108	

AFRICA-SOUTH AFRICA

SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION mb	MEAN SEA LEVEL mb	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE TOTAL hr % OF AV.
AFRICA														
SOUTH AFRICA														
GOUGH ISLAND	4021S	00953W	54	1001.0	1007.4	11.7	0.4	11.7	0.5	21	334	56	4	68 80
MARION ISLAND	4653S	03752E	22	998.4	1001.0	5.5	0.6	7.6	-0.2	24	207	-29	2	88 129
N AMERICA														
USA														
BARROW/W. POST W. ROGERS, AK.	7118N	15647W	4	1015.6	1016.1	-6.6	0.8	3.5	0.2	1	3	-1	3	
BARTER ISLAND, AK.	7008N	14338W	15	1013.8	1015.8	-6.2	0.0	3.6	0.0	1	3	-6	2	
KOTZEBUE, RALPH WIEN, AK.	6652N	16238W	5	1009.2	1009.8	0.3	0.5	5.2	0.4	0	T	-8	1	
NOME, AK.	6430N	16526W	7	1007.5	1008.4	2.7	0.6	5.5	0.3	3	9	-5	3	
BETHEL/BETHEL AIRPORT, AK.	6047N	16148W	46	1002.2	1008.0	4.1	-0.5	6.3	-0.1	8	31	11	5	
MCGRATH, AK.	6258N	15537W	103	994.8	1007.6	7.6	0.6	6.2	0.6	10	36	17	5	
FAIRBANKS/INT., AK.	6449N	14752W	138	990.5	1007.6	10.5	1.5	6.2	-0.3	2	5	-9	2	
ANCHORAGE/INT., AK.	6110N	15001W	40	1003.0	1008.0	8.4	0.5	7.0	0.3	4	17	2	4	
ST. PAUL, AK.	5709N	17013W	9	1009.2	1010.1	2.6	1.0	6.4	0.3	10	37	6	4	
COLD BAY, AK.	5512N	16243W	31	1005.9	1009.9	3.8	-0.4	6.5	-0.3	11	39	-24	2	
KING SALMON, AK.	5841N	15639W	15	1004.7	1006.5	6.0	0.3	6.8	1.2	14	44	14	5	
YAKUTAT, AK.	5931N	13940W	9	1009.7	1010.9	7.2	1.2	8.3	2.6	18	383	151	5	
ANNETTE ISLAND, AK.	5502N	13134W	34	1010.3	1014.3	9.3	-0.1	8.9	0.4	17	211	38	4	
KEY WEST/INT., FL.	2433N	08145W	6	1015.4	1016.0	26.8	-0.1	25.6	5	61	-15	3	366	105
MIAMI, FL.	2549N	08017W	4	1016.4	1016.8	25.9	0.1	23.4	-0.7	12	127	-40	3	333 115
WEST PALM BEACH/INT., FL.	2641N	08007W	6	1016.5	1017.2	25.4		22.5	5	143	3			
ORLANDO/JETPORT/ FL.	2826N	08119W	32	1013.9	1017.7	24.9		21.8	7	36				
JACKSONVILLE/INT., FL.	3030N	08142W	9	1017.8	1018.9	22.9	-1.1	20.8	-0.5	3	19	-92	1	305 104
SAVANNAH/MUNICIPAL, GA.	3208N	08112W	15	1017.2	1019.0	23.3		20.1	4	97	3	298	105	
CHARLESTON/MUN., SC.	3254N	08002W	15	1017.8	1019.7	22.9	0.6	20.4	2.2	6	58	-53	2	291 95
TAMPA/INT., FL.	2758N	08232W	3	1017.0	1017.4	25.4		22.5	9	73	3	318	100	
TALLAHASSEE/MUN., FL.	3023N	08422W	21	1015.2	1017.5	23.8		20.9	7	85	2			
MACON/LEWIS B. WILSON, GA.	3242N	08339W	110	1005.3	1018.2	23.8	1.2	20.6	6	71	-26	2	368	120
AUGUSTA/BUSH FIELD, GA.	3322N	08158W	45	1013.1	1018.5	22.8		19.6	7	40	1			
ATLANTA/MUN., GA.	3339N	08425W	315	981.7	1018.2	22.8	2.4	18.2	2.1	7	70	-45	2	253 85
MOBILE/BATES FIELD, AL.	3041N	08815W	67	1008.9	1016.7	24.3	0.4	23.5	13	272	155	6		
MONTGOMERY/DANNELLY, AL.	3218N	08624W	62	1010.4	1017.7	23.8		21.6	8	123	4	227	80	
NEW ORLEANS, LA	2959N	09015W	9	1015.3	1016.2	24.9	0.7	24.4	3.0	10	88	-42	2	352 130
MERIDIAN/KEY, MS.	3220N	08845W	94	1006.0	1017.0	23.7		21.4	11	146	4			
JACKSON/ALLEN C. THOMP., MS.	3219N	09005W	101	1004.3	1016.1	24.4		22.0	12	126	279	100		
LAKE CHARLES/MUN., LA.	3007N	09313W	10	1014.7	1015.7	24.8		24.2	12	88	348			
GALVESTON, TX.	2918N	09448W	16	1013.4	1015.4	25.2	0.9	25.5	7	96	13	4	125	50
HOUSTON/INTERCONTINENTAL, TX.	2958N	09521W	33	1010.5	1014.3	25.0		23.8	9	137				
SHREVEPORT/REG., LA.	3228N	09349W	79	1005.8	1015.0	24.0	1.3	22.0	13	168	54	4	280	110
BROWNSVILLE/INT., TX.	2554N	09726W	6	1012.2	1012.7	26.4	0.2	26.3	1.7	4	39	-16	3	296 110
CORPUS CHRISTI/INT., TX.	2746N	09730W	13	1011.6	1013.3	25.6		25.8	6	105	4	184	75	
SAN ANTONIO/INT., TX.	2932N	09828W	242	985.3	1012.9	24.3	0.2	22.0	1.4	9	325	224	6	183 85
AUSTIN/ROBERT MUELLER., TX.	3018N	09742W	189	991.8	1013.5	24.5		22.4	10	170	5	187	85	
VICTORIA/VICTORIA REG., TX.	2851N	09655W	36	1010.1	1014.3	25.2		24.3	10	126				
WACO, MADISON-COOPER, TX.	3137N	09713W	155	996.0	1013.8	24.0		22.5	10	130	4			
DALLAS-FORT WORTH/FORT., TX.	3254N	09702W	182	992.5	1013.4	23.9		21.1	11	150	4	254	100	
SAN ANGELO/MATHIS, TX.	3122N	10030W	582	946.7	1012.4	21.7		17.2	14	445	6			
MIDLAND/MIDLAND REG., TX.	3157N	10211W	872	914.8	1011.7	20.6	-1.9	14.3	5	105	46	5	298	
ABILENE, TX.	3225N	09941W	534	950.6	1012.3	22.3	-0.2	16.6	1.3	7	116	33	4	274 90
LUBBOCK/LUBBOCK INT., TX.	3339N	10149W	988	902.4	1011.8	20.4		13.7	8	84	4	242	75	
EL PASO/INT., TX.	3148N	10624W	1194	879.7	1009.1	20.4	-2.0	8.3	2.4	1	6	0	3	385 100
TUCSON/INT., AZ.	3207N	11056W	779	923.2	1009.5	23.4		9.0	6	19	6	395	100	
PHOENIX/SKY HARBOR INT., AZ.	3326N	11201W	337	971.4	1009.5	28.1	3.1	9.3	2.5	1	2	-2	4	397 100
SAN DIEGO/LINDBERGH, CA.	3244N	11710W	9	1013.1	1014.1	18.2	0.7	14.6	1.1	0	1	-5	3	194 80
LOS ANGELES/INT. CA.	3356N	11824W	32	1009.9	1013.6	17.9		15.5	0	0	0	2		
CAPE HATTERAS, NC.	3516N	07533W	3	1019.2	1019.6	19.9	0.4	18.2	-0.3	3	9	-93	0	358 130
RALEIGH/RALEIGH-DURHAM, NC.	3552N	07847W	134	1003.3	1019.0	20.7		17.4	4	30	1	270	105	
NORFOLK/INT., VA.	3654N	07612W	9	1018.7	1019.7	20.1		16.5	8	68	2	258	95	
COLUMBIA, SC.	3357N	08107W	69	1010.7	1018.7	23.4	1.2	18.1	4	28	-63	1	297	100
GREENVILLE/GREENVILLE-SP., SC	3454N	08213W	296	984.3	1018.6	21.7		19.0	7	34	300	115		
CHARLOTTE/DOUGLAS, NC.	3513N	08056W	234	992.1	1019.3	21.9		17.2	7	25	1	247	80	
ASHEVILLE/REG., NC.	3526N	08233W	661	944.2	1019.5	19.1	1.6	16.3	2.2	10	47	-56	1	219 80
GREENSBORO/G.-HIGH PT., NC.	3605N	07957W	270	987.4	1018.9	20.5		16.4	5	63	2	279	105	
CHATTANOOGA/LOVELL FIELD, TN.	3502N	08512W	210	993.5	1018.0	22.7		19.9	11	126	4	303	110	

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE
N AMERICA USA														
KNOXVILLE/MUN., TN.	3549N	08359W	299	983.0	1017.8	21.8	18.7		11	117	4	334	120	
NASHVILLE/OLD HICKORY, TN.	3615N	08634W	180	996.5	1018.0	23.0	2.9	19.9	3.9	9	107	-9	3	264
N. LITTLE ROCK/MUN.APRT., AR.	3450N	09215W	165	996.4	1015.6	24.3	2.9	18.9	2.2	9	134	-1	3	100
FORT SMITH/MUN., AR.	3520N	09422W	141	998.4	1014.9	23.4		19.7	8	164	4	303	110	
OKLAHOMA CITY/H.R.WORLD, OK.	3524N	09736W	397	967.8	1013.1	22.5	2.3	17.6	3.0	11	301	161	6	299
TULSA/INT., OK.	3612N	09554W	206	989.7	1013.9	23.4		18.5	13	255	6	270	105	
ALBUQUERQUE/INT., NM.	3503N	10637W	1620	837.2	1011.4	17.1	-1.0	7.5	2.1	4	14	2	4	306
LAS VEGAS/MCCARRAN, NV.	3605N	11510W	664	934.8	1010.0	23.6	0.7	8.1	2.5	1	23	18	5	352
FRESNO/AIR TERM., CA.	3646N	11943W	100	1001.2	1012.8	22.1		11.9	2	22	5	401	100	
SANTA MARIA/PUBLIC, CA.	3454N	12027W	73	1006.4	1015.0	15.4	1.7	12.4	1.3	0	T	-7	2	
RICHMOND/BYRD, VA.	3730N	07720W	54	1012.6	1019.0	19.6		16.3	9	75	3	287	100	
WASHINGTON/NAT., VA.	3851N	07702W	20	1017.0	1019.4	19.5	0.6	16.0	1.5	8	65	-23	2	228
BALTIMORE/BALTIMORE-WAS., MD.	3911N	07640W	47	1013.6	1019.0	18.2		14.5	9	105	4	237	95	
ATLANTIC CITY, NJ.	3927N	07434W	20	1016.4	1018.9	16.2		13.5	8	75	3	244	100	
PHILADELPHIA/INT., PA.	3953N	07515W	9	1018.1	1019.1	17.6	0.7	13.9	10	81	9	3	224	
ROANOKE/MUN., VA.	3719N	07958W	358	977.2	1019.0	19.4		16.3	7	68	2			
BECKLEY(RALEIGH CTY. M.), VA.	3747N	08107W	766	932.2	1019.2	17.9		14.4	8	63				
CHARLESTON/KANAWHA, WV.	3822N	08136W	299	983.3	1018.3	20.2		16.9	8	63	2			
CINCINNATI/GREATER CIN., OH.	3903N	08440W	267	987.0	1018.3	20.6	2.6	15.6	5	70	-31	2		
LEXINGTON/BLUE GRASS, KY.	3802N	08436W	301	982.6	1017.6	21.2		17.9	7	46	1			
LOUISVILLE/STANDIFORD, KY.	3811N	08544W	149	999.7	1017.5	21.9		16.9	4	41	1	339	130	
HUNTINGTON/TRI-STATE, WV.	3822N	08233W	255	988.0	1017.9	20.4		17.7	8	91				
COLUMBUS/PORT COLUMBUS, OH.	4000N	08352W	254	988.6	1018.7	18.8	1.8	15.4	3.3	10	72	-22	2	320
DAYTON/JAMES M. COX DAY., OH.	3954N	08412W	306	982.4	1018.1	19.1	2.5	15.5	2.8	8	66	-23	2	279
EVANSVILLE/REG., IN.	3803N	08732W	118	1003.3	1017.2	22.0		18.5	7	82	2	330	115	
ST. LOUIS/LAMBERT, ST., MO.	3845N	09022W	172	996.1	1016.2	22.6	3.9	16.4	1.9	4	51	-39	1	305
INDIANAPOLIS/I.-MUN/WEI., IN.	3944N	08616W	246	988.9	1017.8	19.9		15.2	5	45	1	330	125	
SPRINGFIELD/CAPITAL, IL.	3951N	08940W	187	994.7	1016.0	21.4		15.8	4	13	3	331	120	
SPRINGFIELD/MUN., MO.	3714N	09323W	387	970.7	1015.5	21.6		18.3	9	138	4	293	110	
COLUMBIA/REGIONAL, MO.	3849N	09213W	274	983.5	1015.4	20.6	2.4	17.1	3.5	7	71	-44	1	314
KANSAS CITY, INT., MO.	3919N	09443W	312	978.3	1014.5	21.4		16.1	12	120	3	322	110	
WICHITA, KS.	3739N	09726W	408	966.1	1013.2	20.9	2.1	17.2	3.5	11	204	111	5	333
DODGE CITY/MUN., KS.	3746N	09958W	790	922.9	1012.5	18.5	0.5	14.5	10	65	-17	3	234	
TOPEKA/MUN., KS.	3904N	09537W	270	982.8	1014.1	21.3	3.1	16.7	9	99	-1	3	265	
CONCORDIA/BLOSSER MUN., KS.	3933N	09739W	452	961.0	1013.3	19.9	2.0	15.4	10	154	50	5	299	
GOODLAND/RENNER FIELD/, KS.	3922N	10142W	1124	887.1	1012.4	17.0		12.2	10	89	4			
DENVER/STAPLETON INT., CO.	3945N	10452W	1625	836.0	1012.3	15.4	0.9	9.2	1.8	13	118	62	5	234
GRAND JUNCTION/WALKER F., CO.	3907N	10832W	1475	851.3	1012.0	16.2	-0.5	8.4	2.5	7	39	18	5	310
SACRAMENTO/EXECUTIVE, CA.	3831N	12130W	8	1012.4		20.6	2.0	12.1	1.6	0	T	-9	1	
ELY/YELLAND, NV.	3917N	11451W	1909	807.6	1012.0	11.0	0.9	7.3	2.4	11	59	32	5	348
RENO/INT., NV.	3930N	11947W	1341	865.0	1013.1	15.4		7.7	6	59	5	280	75	
SAN FRANCISCO/INT., CA.	3737N	12223W	5	1014.4	1015.0	16.5	2.2	12.3	1.6	1	-2	-6	3	
NEW YORK/LA GUARDIA, NY.	4046N	07354W	9	1017.8	1018.9	17.3	-0.9	13.2	1.7	7	28	-58	1	223
PROVIDENCE/GREEN STATE, RI.	4144N	07126W	19	1017.2	1019.2	15.0		11.3	8	46	1	258	100	
HARTFORD/BRADLEY INT., CT	4156N	07241W	55	1012.0	1018.4	15.9		11.0	8	55	2	239	90	
BOSTON/LOGAN INT., MA.	4222N	07102W	9	1017.7	1018.8	13.9	-0.8	10.4	-0.4	7	44	-45	1	306
WILKES-BARRE-SCRANTON, PA.	4120N	07544W	289	984.8	1019.6	15.5		11.7	7	56				
BINGHAMTON/BROOME CO., NY.	4213N	07559W	497	960.2	1018.8	14.2		10.7	9	33				
ALLENTOWN/A.-BETHLEHEM-, PA.	4039N	07526W	117	1005.3	1019.4	16.3		12.5	8	59	2	228		
ALBANY/ALBANY CO., NY.	4245N	07348W	89	1008.0	1018.7	15.5	0.9	12.0	6	39	-45	1	276	
SYRACUSE/HANCOCK, NY.	4307N	07607W	124	1003.4	1018.4	15.6		11.2	5	36	1	278	115	
PITTSBURGH/GREATER PITT., PA.	4030N	08013W	373	975.0	1018.8	17.2	0.8	12.7	8	61	-25	2	276	
AKRON/AKRON-CANTON REG., OH.	4055N	08126W	377	975.1	1019.3	16.7		13.8	9	66	2			
YOUNGSTOWN, OH.	4116N	08040W	361	975.9	1019.4	16.4		13.2	10	66	2			
BUFFALO/GREATER BUFFALO, NY.	4256N	07844W	215	992.9	1018.6	15.7	2.3	11.6	1.0	3	34	-36	1	345
ROCHESTER/ROCHESTER-MON., NY.	4307N	07740W	169	998.2	1018.7	15.4		11.4	3	30	1	284	105	
CHICAGO/O'HARE, IL.	4159N	08754W	205	993.4	1017.8	17.4		13.5	11	56	2	296	105	
PEORIA/GREATER PEORIA, IL.	4040N	08941W	202	992.9	1016.7	20.2		13.8	7	43	1	369	140	
FORT WAYNE/MUN., BAER FL., IN.	4100N	08512W	252	988.6	1018.4	18.0		13.3	9	87	3	334	110	
SOUTH BEND/ST. JOSEPH CO., IN.	4142N	08619W	236	989.9	1018.1	18.1		14.3	10	90	4			
TOLEDO/EXPRESS, OH.	4136N	08348W	211	994.0	1018.7	16.8		13.8	7	59				
DETROIT/METROPOLITAN, MI.	4214N	08320W	202	993.9	1018.1	17.3	2.3	13.5	9	63	-4	3	237	85
MOLINE/QUAD CITY, IL.	4127N	09031W	181	995.1	1016.4	19.3		14.2	5	85	2	288	115	
DES MOINES/MUN., IA.	4132N	09339W	294	980.7	1015.2	19.3	2.2	14.2	2.4	12	95	-3	3	330
OMAHA, NE.	4122N	09601W	406	967.0	1014.3	19.4	2.0	13.6	12	154	41	4		

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.	
N AMERICA																	
USA	0°	0°	0'	#	mb	mb	°C	°C	mb	mb	#	#	#	#	#	#	
NORFOLK/KARL STEFAN, NE.	4159N	09726W	473		958.4	1013.3	18.8	12.9			13	142	5	4	230	85	
SIOUX CITY/MUN., IA.	4224N	09623W	336		974.4	1013.8	19.1	13.2			12	107	4	3	308	114	
NORTH PLATTE/LEE BIRD, NE.	4108N	10041W	849		916.1	1012.9	17.3	2.7	12.8	3.0	13	81	-4	3	248	90	
CHEYENNE, WY.	4109N	10449W	1872		812.2	1013.3	12.4	8.6			14	113	5	3			
CASPER/NATRONA COUNTY I., WY.	4255N	10628W	1612		836.5	1012.0	14.2	8.1			11	37	3				
SALT LAKE CITY/INT., UT.	4047N	11158W	1288		869.9	1011.9	17.1	2.3	8.6	1.4	9	61	-24	5	273	85	
LANDER/HUNT, WY.	4249N	10844W	1694		848.1	1011.9	14.2	0.0			8	60	3	3	280	95	
POCATELLO/NUM., ID.	4255N	11236W	1365		861.9	1013.0	14.3	8.6			8	51	5	5	312	105	
WINNEMUCCA/MUN., NV.	4054N	11748W	1322		867.2	1012.8	14.8	2.2	7.5	2.0	6	86	66	6	376	115	
EUREKA, CA.	4048N	12410W	18		1014.9	1017.1	13.7	2.4	12.0	2	10	-35	1				
MEDFORD/MEDFORD-JACKSON, OR.	4222N	12252W	405		968.3	1015.6	16.9	2.9	9.5	0.8	6	24	-1	3			
CONCORD/MUN., NH.	4312N	07130W	105		1006.2	1018.7	13.5	9.8			4	27	1	296	110		
PORTLAND/INT. JET PORT, ME.	4339N	07019W	19		1015.6	1018.1	12.4	9.1			8	67	3	3	252	100	
BURLINGTON/INT., VT.	4428N	07309W	104		1005.6	1018.2	12.9	0.0	10.3	-0.2	9	68	-7	2	228	90	
GRAND RAPIDS/KENT CO., MI.	4253N	08531W	245		988.7	1017.8	16.9	11.9			5	24			279	110	
MUSKEGON/COUNTY, MI.	4310N	08615W	193		994.8	1017.6	15.8	11.9			8	65	3				
FLINT/BISHOP, MI.	4258N	08345W	233		990.3	1018.2	17.0	13.7			5	58	3				
MILWAUKEE/GEN. MITCHELL, WI.	4257N	08754W	211		992.0	1017.3	15.6	12.3			11	96	5	5	296	110	
MADISON/DANE COUNTY REG., WI.	4308N	08920W	264		985.3	1016.5	16.0	2.0	13.1		11	99	13	4	245	95	
ROCHESTER/MUN., MN.	4355N	09230W	402		968.5	1015.5	16.1	12.2			10	53					
GREEN BAY/A.-STRAUBEL, WI.	4429N	08808W	214		991.5	1017.1	14.9	12.0			13	66	3	3	258	90	
SIOUX FALLS/FOSS FIELD, SD.	4335N	09644W	435		963.1	1014.2	18.2	12.5			8	75	3				
HURON/HURON REGIONAL, SD.	4423N	09813W	393		966.5	1012.5	18.1	4.0	13.1		9	59	-11	3	340	115	
MINNEAPOLIS/ST. PAUL INT., MN.	4453N	09313W	255		984.7	1015.0	17.5	2.9	11.8		9	49	-31	2	304	105	
RAPID CITY/REG., SD.	4403N	10304W	966		903.1	1012.9	15.3	2.2	11.0	2.7	8	86	19	5	228	85	
SHERIDAN/COUNTY, WY.	4446N	10658W	1209		877.1	1013.0	14.6	3.0	9.2	1.4	10	70	8	4	309	115	
BILLINGS/LOGAN INT., MT.	4548N	10832W	1088		889.4	1012.1	15.7	8.8			12	97	5	5	315	115	
BOISE/MUN., ID.	4334N	11613W	874		913.5	1012.7	16.9	2.8	8.3	1.4	3	18	-13	2	300	90	
PENDLETON, OR.	4541N	11851W	456		961.3	1014.8	15.5	9.6			7	21	3				
PORTLAND/INT., OR.	4536N	12236W	12		1015.5	1016.9	15.8	1.4	11.5	1.0	6	42	-12	3	345	125	
CARIBOU/MUN., ME.	4652N	06801W	190		993.6	1016.7	10.3	0.2	8.0	-0.5	7	62	-15	2			
SAULT STE. MARIE, MI.	4628N	08422W	221		991.0	1017.8	11.5	1.5	9.5	1.0	8	50	-23	2	272	95	
MARQUETTE, MI.	4632N	08733W	434		965.7	1017.6	11.7	1.3	9.7		11	100	25	5	258	90	
DULUTH/INT., MN.	4650N	09211W	432		964.9	1016.6	11.7	1.5	8.6	1.0	12	102	22	4	263	101	
INT. FALLS/FALLS INT., MN.	4834N	09323W	361				13.2	2.5			7	80	18	4			
FARGO/HECTOR FIELD, ND.	4654N	09648W	274		981.0	1013.6	16.5	10.8			9	88	5	278	100		
BISMARCK/MUN., ND.	4646N	10045W	506		954.0	1013.3	15.4	2.7	11.3	2.8	7	106	49	5	266	90	
WILLISTON/SLOULIN FIELD, ND.	4811N	10338W	581		945.1	1012.9	15.4	9.9			8	50	4	4	242	80	
GLASGOW/INT., MT.	4813N	10637W	700		931.3	1012.6	15.5	9.0			7	44	4				
HELENA/COUNTY-CITY, MT.	4636N	11200W	1188		879.9	1014.4	13.3	2.2	8.8		11	48	5	4	321	115	
MISSOULA/JOHNSON-BELL F., MT.	4655N	11405W	972		903.5	1014.7	13.4	8.7			6	34	3	3	315	115	
GREAT FALLS/INT., MT.	4729N	11122W	1115		887.1	1013.4	14.4	2.7	7.9	1.0	11	67	6	3	302	105	
YAKIMA/YAKIMA AIR TERM., WA.	4634N	12032W	325				15.5				1	2	1				
SPokane/INT., WA.	4738N	11732W	721		930.7	1013.9	14.1	1.7	8.3	0.6	4	23	-12	2	303	105	
ASTORIA/CLATSOP, OR.	4609N	12353W	7		1016.7	1017.6	12.8	11.2			10	101					
OLYMPIA, WA.	4658N	12254W	61				1017.0	13.1	1.5	10.3	0.7	9	69	21	5		
SEATTLE/S.-TACOMA, WA.	4727N	12218W	137		1000.1	1016.5	14.0	10.8			9	60	5	5	304	120	
QUILLAYUTE, WA.	4756N	12433W	62		1009.4	1017.1	11.6	1.1	10.1	0.3	12	216	84	5			
BLUE HILL OBSR., WB., MA.	4213N	07107W	195		994.5	1017.9	14.3	0.7	10.2	-0.5	8	62	-32	2	224	95	
CANADA																	
NORMAN WELLS, N.W.T.	6517N	12648W	73	31	1002.8	1012.0	6.8	1.4	5.2	-0.6	6	21	3	4		114	
MOULD BAY A, N.W.T.	7614N	11919W	12	31	1018.2	1019.8	-13.4	-2.2	1.7	-0.7	3	10	3	4		118	
HALL BEACH, N.W.T.	6847N	08115W	8	31	1010.0	1011.1	-12.6	-3.5	2.2	-0.9	3	6	-10	1			
ALERT, N.W.T.	8230N	06220W	63	31	1010.4	1019.3	-14.6	-3.0	1.7	-0.1	0	1	-9	1		102	
CLYDE, N.W.T.	7028N	06837W	25	31	1008.8	1012.3	-11.5	-4.2	2.1	-0.8	7	20	3	4		86	
SANDSPIT, B.C.	5315N	13149W	6	31	1012.6	1013.4	9.4	0.7	9.4	0.6	17	116	64	6		74	
PORT HARDY, B.C.	5041N	12722W	22	31	1013.8	1016.6	9.8	0.5	9.3	0.0	12	85	16	4		101	
SABLE ISLAND, N.S.	4356N	06001W	4	31	1018.3	1018.8	6.4	-0.3	8.2	-0.7	11	58	-44	1		105	
SHEARWATER, N.S.	4438N	06330W	41	31	1011.9	1018.1	8.9	0.0	8.3	-0.5	8	63	-38	2		107	
TORONTO INT. AIRPORT ONT.	4341N	07938W	176	31	997.0	1017.9	14.7	2.5	11.1	1.0	7	30	-36	1			
Montreal INT. AIRPORT, QUE	4528N	07345W	30	31	1013.1	1017.5	13.0	0.0	10.7	0.6	10	55	-11	3		93	
SYDNEY, N.S.	4610N	06003W	60	31	1009.7	1017.3	7.8	0.4	7.4	-0.6	8	46	-49	1		125	
CHATHAM, N.B.	4701N	06527W	34	31	1011.7	1015.8	11.0	1.5	7.8	-0.6	6	32	-50	1		121	
MANIWAHI, QUE.	4623N	07558W	170	31	996.1	1016.8	10.9	0.1	9.9	0.7	9	72	8	4		98	

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	
N AMERICA	0°	0°	3	mb	mb	mb	°C	°C	mb	mb	mb	mm	mm	hr	%
CANADA															
BAGOTVILLE, QUE.	4820N	07100W	163	31	997.1	1016.6	8.9	-0.4	8.1	0.5	13	79	10	4	
NORTH BAY, ONT.	4622N	07925W	369	31	973.4	1017.9	11.1	0.5	10.1	1.8	11	79	10	4	100
GANDER INT. AIRPORT, NFLD.	4857N	05434W	147	31	997.0	1015.5	7.7	-1.5	7.0	-0.2	8	91	21	4	131
SEPT-ILES, QUE.	5013N	06616W	55	31	1007.7	1014.6	6.3	0.4	6.7	0.2	13	76	-8	3	93
STEPHENVILLE, NFLD.	4832N	05833W	26	31	1012.6	1015.8	6.7	-0.2	7.0	-0.4	8	57	-24	2	144
GOOSE, NFLD.	5319N	06025W	44	31	1005.2	1011.2	6.5	1.5	5.7	-0.2	10	47	-17	3	120
KAPUSKASING, ONT.	4925N	08228W	229	31	989.5	1017.2	10.1	1.8	7.7	0.3	7	38	-36	1	
MOOSONEE, ONT.	5116N	08039W	10	31	1014.9	1016.3	7.8	2.1	7.1	0.1	7	59	-3	3	103
BIG TROUT LAKE, ONT.	5350N	08952W	222	31	989.4	1016.2	7.5	3.0	7.4	1.1	12	34	-11	2	
WINNIPEG INT. AIRPORT, MAN	4955N	09714W	240	31	985.5	1014.4	14.8	3.6	9.8	1.5	7	32	-34	2	104
REGINA, SASK.	5026N	10440W	574	31	945.2	1013.6	14.1	3.0	7.9	0.2	9	71	24	4	92
THE PAS, MAN.	5358N	10106W	271	31	980.7	1013.6	11.4	3.0	8.1	0.6	5	27	-10	2	102
LETHBRIDGE, ALTA.	4938N	11248W	920	31	906.1	1013.1	12.9	1.9	6.9	-0.1	3	20	-31	1	117
EDMONTON MUNICIPAL ALTA.	5334N	11331W	676	31	933.1	1011.8	12.4	1.1	6.6	-0.3	8	78	36	5	117
VANCOUVER INT. AIRPORT, BC	4911N	12311W	3	31	1016.0	1016.3	13.0	0.8	10.9	0.5	11	86	34	5	109
PRINCE GEORGE, B.C.	5353N	12241W	691	31	931.8	1013.5	9.8	0.5	6.7	0.0	9	60	13	4	106
KUUJJUAQ, QUE.	5806N	06825W	37	31	1006.5	1011.2	-2.0	-2.3	4.5	-0.6	9	59	27	5	97
INUJKUAK, QUE	5827N	07807W	8	31	1012.9	1013.3	-4.2	-2.6	4.0	-0.8	7	34	11	5	105
FROBISHER BAY, N.W.T.	6345N	06833W	34	31	1004.7	1009.3	-7.7	-4.5	2.6	-1.3	10	33	8	4	91
CHURCHILL, MAN.	5845N	09404W	29	31	1012.7	1016.4	-2.3	-0.9	4.1	-0.8	10	69	37	5	101
CORAL HARBOUR, N.W.T.	6412N	08322W	64	31	1004.0	1012.8	-11.0	-4.8	2.3	-1.2	5	24	7	4	99
EUREKA, N.W.T.	8000N	08556W	10	31	1015.5	1016.8	-12.9	-2.2	1.8	-0.4	0	0	-3	0	128
RESOLUTE, N.W.T.	7443N	09459W	67	31	1006.0	1015.0	-13.4	-2.5	2.0	-0.3	4	10	2	4	117
CAMBRIDGE BAY, N.W.T.	6906N	10507W	27	31	1012.4	1016.0	-13.5	-4.1	2.0	-1.2	3	6	-4	2	108
FORT SMITH, N.W.T.	6001N	11158W	203	31	986.4	1011.4	9.2	1.4	6.5	0.0	7	21	-7	3	99
COPPERMINE, N.W.T.	6749N	11508W	22	31	1013.3	1016.3	-9.5	-4.0	2.9	-1.1	2	7	-8	2	91
FORT NELSON, B.C.	5850N	12236W	382	31	964.4	1010.5	10.2	0.6	6.9	0.2	13	49	7	4	
INUVIK, N.W.T.	6818N	13329W	68	31	1005.7	1014.5	2.8	3.6	3.8	-0.5	4	39	21	5	117
WHITEHORSE, Y.T.	6043N	13504W	703	31	926.1	1009.9	6.5	-0.1	5.5	0.6	7	25	12	5	92
ST. PIERRE AND MIQUELON															
SAINT-PIERRE	4646N	05610W	5	31	1016.9	1017.5	5.4	0.7	7.5	0.2	11	76	-23	2	126
MEXICO															
UNIV. DE CHIHUAHUA, CHIH.	2838N	10605W	1435		1009.7		19.9	-3.8			8	83	68	5	
TORREON, COAH.	2532N	10327W	1124		887.4	1007.1	22.4	-4.8	12.5	-3.6	6	8	-4	4	283
MONTERREY, N.L.	2552N	10012W	512		954.2	1011.0	25.0	-1.0	22.0	2.8	8	37	0	4	164
LA PAZ, B.C.S.	2410N	11025W	27		1009.3	1012.3	22.9	-0.7	15.4	1.4	1	2	-2	5	326
COLONIA JUAN CARRASCO MAZ.	2312N	10625W	4		1011.0	1011.0	24.9	0.2	22.8	-0.5	0	0	-T	0	
ZACATECAS, ZAC. (LA BUFA, ZAC.)	2247N	10234W	2612		747.0	1007.7	15.3	-1.7	7.7	-0.9	4	60	54	6	294
TAMPICO, TAMPS	2213N	09751W	9		1009.1	1002.1	27.6	1.0	27.2	0.1	9	66	28	4	222
GUANAJUATO, GTO.	2101N	10115W	1999		804.0	1007.0	21.1	0.1	16.4	4.4	4	23	-10	3	270
GUADALAJARA, JAL.	2040N	10323W	1551		845.5	1007.8	23.0	-0.4	9.2	-3.1	3	34	7	4	265
AEROP. INT. MERIDA, YUC.	2059N	08939W	9		1010.5	1011.5	29.6	1.1	26.0	1.4	0	1	-67	1	315
MANZANILLO, COL.	1903N	10420W	3		1011.3	1011.7	25.5	-0.7	24.3	-0.9	0	0	-11	0	305
MORELIA, MICH.	1942N	10111W	1913		811.0	1006.9	20.7	-0.3	11.1	-2.4	7	14	-36	1	270
CHETUMAL, Q.ROO	1830N	08818W	3		1007.5	1008.5	28.9	0.9	26.9	-5.9					99
OAXACA, OAX.	1704N	09643W	1550		845.2	1006.7	22.5	-1.0	14.0	-2.4	9	11	-49	1	263
SALINA CRUZ, OAX.	1610N	09512W	6		1009.8	1010.5	30.7	1.1	25.8	0.1	1	1	-50	2	157
BAHAMAS															
NASSAU AIRPORT	2503N	07728W	7		1015.2	1016.0	25.2	-0.1	23.6	-1.6	9	72	-45	2	120
JAMAICA															
MONTEGO BAY/SANGSTER	1830N	07755W	8		1012.4	1013.3	27.5	0.9	26.8	1.4	7	84	-17	3	288
KINGSTON/NORMAN MANLEY	1756N	07647W	14		1010.5	1012.1	28.2	0.6	28.0	1.7	1	4	-91	1	275
DOMINICAN REPUBLIC															
SANTO DOMINGO	1826N	06953W	14		1011.2	1012.7	27.0	0.9	27.7	-0.6	14	89	-89	2	
BELIZE															
BELIZE/INT. AIRPORT	1732N	08818W	5		1012.2	1012.7	27.6	-0.5	28.6	-0.7	2	27	-68	2	285
NICARAGUA															
MANAGUA A.C. SANDINO	1209N	08610W	56		1003.4	1009.7	29.5	0.6	27.5		6	71	-65	2	232
															150

N AMER-ST.MAARTEN,ST.EUST.,ET SABA SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE	MEAN mb	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE
N AMERICA	0°	0°	3	mb	mb	mb	°C	°C	mb	mb	mm	mm	mm	%
ST. MAARTEN, ST. EUST., ET SABA														
JULIANA AIRPORT, ST. MAARTEN	1803N	06307W	9	1013.3	1013.8	27.9	0.3	29.4	18	241	145.5	174	65	
ST. MARTIN, ST. BARTH., GUAD.														
LE RAIZET, GUADELOUPE	1616N	06131W	8	1012.3	1013.2	27.2	1.1	28.3	2.0	23	439	344.6	195	84
MARTINIQUE														
LE LAMENTIN	1436N	06100W	4	1011.7	1012.5	27.2	1.6	29.5	3.0	17	313	209.6	230	93
BARBADOS														
GRANTLEY ADAMS	1304N	05929W	56	1006.4	1012.9	27.5	0.2	29.5	2.1	13	164	109.5	227	85
TRINIDAD AND TOBAGO														
PIARCO INT. AIRPORT, TRINIDAD	1037N	06121W	15	1009.7	1012.2	27.9	1.1	29.8	2.6	15	105	-6.4	204	88
CURACAO AND BONAIRE														
HATO AIRPORT, CURACAO	1212N	06858W	67	1009.5	1010.4	28.8	1.0	30.4	1.5	5	36	16.4	244	112
COLOMBIA														
PROVIDENCIA (ISLA)	1322N	08121W	6			28.5		29.9		5	89			275
S AMERICA														
COLOMBIA														
SANTA MARTA/SIMON BOLIVAR	1108N	07414W	14	1007.3	1007.7	28.8		30.4		5	105			205
CARTAGENA/CRESPO	1027N	07531W	12	1008.4	1008.6	28.0		31.9		13	274			174
BARRANQUILLA/ERNESTOCORTISSO	1054N	07446W	30	1007.1	1008.7	28.2	0.1	31.0	1.0	5	166	62.4	191	
APARTADO	0748N	07642W	30			27.7		31.0		22	471			135
BARRANCABERMEJA/YARIGUIES	0701N	07348W	134			27.8	0.0	30.4	1.8	17	276	23.3	184	
BUARAMANGA/PALONEGRO	0706N	07312W	1189			21.7		22.6		13	161			147
CUCUTA/CAMILO DAZA	0756N	07231W	317			29.3	1.7	26.6	1.8	11	189	126.6	188	
ARAUCA/SANTIAGO PEREZ	0704N	07044W	128			26.6		28.4		15	307			147
RIONEGRO/J.M.CORDOVA	0611N	07526W	2142	790.4		17.4		15.2		18	183			
PUERTO CARRENO	0610N	06730W	55			27.2		29.8		14	285			
QUIBDO/EL CARANO	0543N	07637W	33			27.4		30.8		25	854			129
PEREIRA/MATECANA	0449N	07548W	1342	865.1		21.4		20.1		15	273			
IBAGUE/PERALES	0426N	07509W	928			24.5		22.2		15	210			193
BOGOTA/ELDORADO	0442N	07408W	2548	753.1		14.3	0.7	12.9	0.2	13	113	35.5	128	
VILLAVICENCIO/VANGUARDIA	0410N	07337W	431			25.2		26.0		23	462			107
GAVIOTAS	0433N	07055W	167	988.8	1008.0	25.7	0.4	28.1	0.8	18	307	-22.3	122	
CALI/PALMASECA	0333N	07623W	969	905.2		23.5	0.0	21.7	0.2	13	124	14.4	172	
NEIVA/LA MANGUITA	0258N	07518W	443			27.7	0.2	24.3	-0.2	13	116	39.4	215	
PASTO/ANTONIO NARINO	0125N	07716W	1826	820.2		19.9		17.0		14	176			191
IPiales/SAN LUIS	0049N	07738W	2961			11.0	-0.1	11.3	0.2	13	111	46.6	145	117
LETICIA/VASQUEZ COBO	0410S	06957W	84	1001.2	1010.8	25.9	0.2	29.3	0.6	16	257	-10.4	142	90
VENEZUELA														
LA ORCHILA	1148N	06611W	3	1013.1	1013.3	28.3	1.2	32.7		0	0	-43.0	258	95
MARACAIBO-LA CHINITA	1034N	07144W	65	1001.4	1008.9	28.1	-0.1	29.6	0.7	8	106	44.5	126	66
MARACAY - B.A. SUCRE	1015N	06739W	437	975.1	1013.3	26.7	0.9	28.9	5.9	10	142	43.4	140	65
CARACAS/LA CARLOTA	1030N	06653W	835	919.8		22.7	-0.5	21.4	-0.4	15	266	207.6	134	68
BARCELONA	1007N	06441W	7	1008.8	1009.6	28.0	0.3	27.4	-0.1	7	84	46.5	202	78
MERIDA	0836N	07111W	1498	852.1	1518	20.2	0.7	18.4	0.0	21	216	-21.2	192	103
CIUDAD BOLIVAR	0809N	06333W	48	1002.4	1007.5	27.5	-0.8	23.0	-3.4	12	220	117.5	176	74
SAN ANTONIO DEL TACHIRA	0751N	07227W	378	968.0	1009.7	27.0	0.2	26.0	2.3	9	253	185.6	176	99
PUERTO AYACUCHO	0536N	06725W	48	1005.7	1026.8			29.6	2.9	18	254	98.5	126	65
SANTA ELENA DE UAIREN	0436N	06107W	907	913.1	1495	21.0	-0.8	31.5	10.2	26	320	112.5	158	96
GUYANA														
GEORGETOWN	0648N	05809W	2	1010.9	1011.3	27.7	0.7	31.3	2.2	20	211	-93.2	172	95
TIMEHRI	0630N	05815W	30	1008.2	1011.7	26.4	0.8	29.4	1.1	23	312	-2.3		
SURINAME														
ZANDERIJ	0527N	05512W	15	1009.2	1011.6	26.8	1.2	28.5		24	335	43.3	173	

S AMER-FRENCH GUIANA

SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAY 1 MM	TOTAL	DEPARTURE	% OF AV.
S. AMERICA	0°	0°	0	9	mb	mb	°C	°C	mb	mb	mm	mm	mm	%
FRENCH GUIANA														
CAYENNE/ROCHAMBEAU	0450N	05222W	9	1010.8	1011.9	26.4	0.7	30.0	1.0	25	423	-162	2	154 112
BRAZIL														
S. GABRIEL DO CACHOEIRAI(UAU.)	0008S	06705W	90	971.8	1010.2	25.2	0.1	30.1	2.7	19	305	-3	3	
BELEM	0127S	04828W	24	1010.6	1010.8	26.7	0.7	31.3	2.1	14	119	-177	0	
SAO LUIZ	0232S	04417W	51	1004.6	1010.3	26.8	0.8	30.7	1.1	13	333	48	3	
MANAUS	0308S	06001W	72	1001.8	1009.9	27.0	0.7	30.4	1.6	15	173	-55.2		
FORTALEZA	0344S	03833W	19	1008.1	1011.2	26.4	0.1	29.6	1.3	9	40	-199	0	
BENJAMIN CONSTANT	0423S	07002W	65	1005.1	1012.3	23.3	-2.3	30.2	2.8	11	110	-125	1	
COARI	0405S	06305W	46	1003.9	1009.5	21.4	-4.7			16	250	33	4	
BARRA DO CORDA	0530S	04516W	153	991.4	1012.1	25.7	0.6	28.1	-1.3	6	61	-12	3	
QUIXERAMOBIM	0512S	03918W	211	986.7	1010.2	27.5	1.4	21.8	-2.7	2	19	-104	1	
SAO FELIX DO XINGU	0638S	05158W	150	989.8	1011.2	26.0		28.1		7	75			
FLORIANO	0646S	04301W	123	996.5	1012.3	26.9	0.8	25.9	0.7	3	27	-24	2	
CRUZEIRO DO SUL	0738S	07240W	170	988.1	1007.6	23.4	-1.1	28.1	0.3	7	124	-24	2	
CAROLINA	0720S	04728W	192	991.0	1014.1	27.2	-1.3	25.4	-0.7	4	31	-38	2	
PORTO VELHO	0846S	06305W	95	1001.0	1007.4	25.1	-0.8	28.8	-0.5	6	22	-110	0	
CONCEICAO DO ARAGUAIA	0815S	04912W	160			27.5	1.3			6	47	-21	2	
RECIFE (CURADOI)	0803S	03455W	7	1012.1	1013.0	26.0	0.8	28.7	2.1	15	137	-189	0	
RIO BRANCO	0958S	06748W	136			24.6		26.4		7	25			
PETROLINA	0923S	04029W	370	970.3	1011.4	25.6	0.1	22.6	1.3	4	32	-2	3	
PORTO NACIONAL	1031S	04843W	250	984.1	1011.0	27.4	1.7	26.4	1.4	4	46	-2	3	
ARACAJU	1055S	03703W	6	1009.7	1010.4	28.3	2.8	26.1	-0.6	11	108	-168	2	
VILHENIA	1244S	06008W	652	943.8	1011.8	24.2		25.1		3	23			
SALVADOR	1301S	03831W	51	1006.4	1012.3	26.1	1.1	28.0	3.1	26	216	-112	2	
BOM JESUS DA LAPA	1316S	04325W	440	961.2	1013.0	26.2	0.8	25.4	5.0	2	29	-6	3	
CUIABA	1533S	05607W	179	995.1	1012.3	24.7	0.5	24.0	1.0	4	10	-41	1	
BRASILIA	1547S	04756W	1158	887.6	1012.8	20.9	1.5	19.0	2.7	6	64	26	5	
MONTES CLAROS	1643S	04352W	646	941.4	1013.1	22.7		20.2		2	91	-5	5	
CARAVELAS	1744S	03915W	3	1013.9	1014.4	26.0	-2.2	22.3	-1.9	10	126	10	4	
CORUMBA	1900S	05739W	130	996.3	1014.0	21.6	-1.4	21.9	-1.8	4	58	-7	4	
BELO HORIZONTE	1950S	04356W	850	913.1	1013.7	21.5	1.9	19.1	1.0	6	39	14	5	
CAMPO GRANDE	2028S	05440W	560	954.1	1014.3	19.5	-1.6	19.3	-1.1	9	169	37	4	
TRES LAGOAS	2047S	05138W	313	977.4	1015.3	21.2	0.4	20.2	1.4	7	61	5	3	
JUIZ DE FORA	2146S	04321W	939	912.2	1017.0	17.4	-0.1	17.8	-1.4	8	76	-35	5	
PONTA PORA	2232S	05544W	650	936.8	1014.3	15.8	-2.3	16.7	-0.6	14	195	74	5	
RIO DE JANEIRO	2255S	04310W	5	1015.5	1015.9	23.2	0.6	22.9	1.9	15	122	37	5	
LONDRINA	2323S	05111W	566	949.2	1014.9	16.5	-1.6	16.6	1.4	15	231	154	6	
SAO PAULO	2330S	04637W	792	925.2	1014.3	17.6	-0.7	17.2	1.1	14	241	179	6	
IGUAPE	2443S	04733W	3	1014.4	1014.9	19.7	0.0	20.5	-0.2	16	255	106	5	
CURITIBA	2526S	04916W	923	912.3	1015.5	13.5	-0.9	14.0	-0.6	15	297	212	5	
FLORIANOPOLIS	2735S	04834W	2	1014.6	1014.8	17.3	-1.7	16.8		14	151	82	6	
ALEGRETE	2941S	05531W	121	998.8	1014.8			14.0	-1.0	7	106	-21	3	
PORTO ALEGRE	3001S	05113W	47	1009.8	1015.5	14.7	-2.0	14.1	-1.9	10	201	118	6	
ST. VITORIA DO PALMAR	3331S	05321W	24	1011.4	1015.9	12.4	-1.6	12.5	-1.4	6	61	-24	3	
PERU														
TUMBES	0333S	08024W	27	1006.9	1009.7	26.6		28.5		0	0			
IQUITOS	0345S	07315W	126	999.3	1013.4	25.6	-0.3	26.2	-0.6	5	126	-154	1	
TALAR	0434S	08115W	90	1000.6	1010.7	24.0	2.1	20.9	1.6	0	0	0	0	75
PIURA	0511S	08036W	55	1006.6	1013.2	24.5	-0.8	20.8	0.9	0	0	0	0	
YURI MAGUAS	0554S	07605W	184	994.5	1014.6	27.2	0.9	28.1	0.8	8	116	-79	1	190
MOYOBAMBA	0602S	07658W	833	917.9		25.1	2.1	23.6	1.0	0	0	-113	0	
CHACHAPOYAS	0613S	07750W	2435	752.4		15.0	-0.6	9.6	-2.5	6	47	-1	4	
CHICLAYO	0647S	07950W	34	1008.3	1011.2	22.2	0.9	20.9	2.3	0	0	0	0	
TARAPOTO	0627S	07623W	282	982.8	1018.0	26.0	0.0	26.2	0.3	2	108	0		
CAJAMARCA	0708S	07828W	2622	740.2		16.8	1.8	9.0	-1.9	2	14	-19	2	
JUANJUI	0713S	07643W	363	978.9	1017.8	27.9	1.7	28.2	1.1	5	82	-39	2	
TRUJILLO	0806S	07902W	30	1009.1	1012.1	20.4	1.4	20.0	1.2	0	0	0	0	
CHIMBOTE	0910S	07831W	21	1011.7	1012.9	21.5	0.2	20.7	3.1	0	0	0	0	
TINGO MARIA	0908S	07557W	665	940.0	1011.5	25.1	0.4	24.9	0.0	17	276	54	4	
ANTA (HUARAZI)	0921S	07736W	2760	737.0		19.3	-1.5	12.0	-0.7	3	23	-9	3	
HUANUCO	0954S	07545W	1860	816.8		21.5	0.6	17.2	3.1	1	2	-12	2	
LIMA-CALLAO/AEROP. INT.	1200S	07707W	13	1010.8	1012.2	20.0	1.6	19.0	0.5	0	T	T	5	75
AYACUCHO	1308S	07413W	2749	733.3		17.9	1.3	5.1	-3.5	5	18	5	4	

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SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	% OF AV.
S AMERICA	0°	0°	0	0	mb	mb	°C	°C	mb	mb	mm	mm	%
PERU													
CUZCO	1333S	07159W	3249	688.8	1009.1	1010.4	20.1	1.4	18.3	0.3	0	0	0.5
PISCO	1345S	07617W	7	1009.1	1013.8	19.4	0.9	18.2	2.0	0	0	0	0.5
SAN JUAN	1523S	07510W	60	1006.7	1013.8	14.5	-0.5	8.0	1.8	0	0	0	0.5
AREQUIPA	1619S	07133W	2520	752.5	961.0	1014.3	17.2	0.5	15.9	1.7	0	0	-2.5
TACNA	1804S	07018W	458	961.0	1014.3	17.2	0.5	15.9	1.7	0	0	-2.5	130
BOLIVIA													
RIBERALTA	1101S	06607W	135	31	1004.1	1008.7	27.8	1.5			4	20	-61 1
MAGDALENA	1320S	06409W	141	31	1007.3	1006.8	27.1	0.9			5	44	-17 4
SANTA ANA	1343S	06535W	144	30	1011.7	1012.3	26.6	0.8			5	66	-13 3
RURRENABQUE	1429S	06729W	202	31	1011.7	1012.3	24.0	-0.8			6	179	76 5
TRINIDAD	1451S	06457W	157	31	1011.7	1012.3	24.5	-0.8			8	66	-15 3
CONCEPCION	1615S	06206W	497	31	1011.7	1012.3	22.5	0.2			8	33	-24 2
LA PAZ/ALTO	1631S	06811W	4071	31	628.2	1010.8	9.3	1.1			5	10	-4 3
SAN IGNACIO DE VELASCO	1622S	06057W	413	29	1010.8	1010.8	23.4	1.5			5	20	-40 1
COCHABAMBA	1727S	06606W	2548	31	748.4	1010.8	18.4	2.0			6	21	16 5
ORURO	1803S	06704W	3702	31	652.7	1010.8	10.5	2.3			1	8	4 4
SANTA CRUZ	1748S	06310W	414	31	1010.9	1011.1	21.4	-0.9			11	68	-15 4
ROBORE	1819S	05945W	265	31	1011.1	1011.1	22.8	-0.5			7	63	2 3
SUCRE	1901S	06516W	2903	31	717.3	1010.0	17.2	2.4			1	1	-5 3
PUERTO SUAREZ	1900S	05744W	135	31	1005.6	1010.0	23.4	0.0			5	44	-6 3
YACUIBA	2201S	06342W	643	29	1010.0	1010.0	18.1	-0.6			0	0	-28 1
CHILE													
ARICA	1821S	07020W	55	1007.9	1015.4	18.0	0.3	14.9	-1.1	0	0	0	5 207
ANTOFAGASTA	2326S	07027W	140	1000.7	1015.3	15.5	0.4	13.2	-0.2	0	0	0	5 243
ISLA DE PASCUA	2711S	10926W	69	1013.3	1018.9	19.2	-1.1	17.8	-0.9	15	187	45 4	154
LA SERENA	2955S	07112W	146	998.9	1016.0	12.6	0.3	12.0	-0.4	2	14	-5 4	183
ISLA ROBINSON CRUSOE	3337S	07850W	30	1013.6	1017.2	14.9	-0.4	12.0	-1.8	15	149	3 4	114
VALDIVIA	3938S	07305W	19	1014.3	1016.6	7.9	-1.8	9.4	-1.7	13	168	-196 1	115
PUERTO MONTT	4126S	07306W	90	1006.6	1017.0	7.6	-1.2	9.2	-1.1	12	131	-97 2	90
PUNTA ARENAS	5300S	07051W	44	1000.1	1004.6	5.2	1.5	7.2	0.7	5	24	-16 2	77
PARAGUAY													
MARISCAL ESTIGARRIBIA	2201S	06036W	181	31	996.5	1017.8	17.3	-4.3	13.9	-3.6	4	10	-29 2
PUERTO CASADO	2217S	05752W	87	31	1003.8	1014.2	18.6	-3.4	18.0	-1.7	12	154	80 5
CONCEPCION	2325S	05718W	74	31	1004.9	1014.7	17.8	-2.6	16.7	-1.8	9	183	40 4
ASUNCION/AEROPUERTO	2516S	05738W	101	31	1005.2	1016.2	16.1	-4.4	15.3	-2.4	9	65	-66 2
VILLARRICA	2545S	05626W	161	31	997.7	1016.7	15.6	-3.5	15.3	-2.5	12	81	-54 2
PUERTO PRESIDENTE STROESSNER	2532S	05436W	196	31	992.8	1014.7	16.3	-2.2	15.9	-2.2	12	262	137 5
PILAR	2651S	05819W	56	31	1010.7	1017.4	15.7	-3.6	14.7	-3.0	6	82	-8 3
SAN JUAN BAUTISTA MISIONES	2640S	05709W	126	31	1002.8	1016.5	14.6	-3.5	14.4	-1.6	11	86	-16 2
ENCARNACION	2719S	05550W	91	31	1006.9	1016.5	14.6	-3.9	14.4	-2.9	11	209	73 5
URUGUAY													
SALTO	3123S	05757W	34	1012.1	1016.1	12.7	-1.9	11.4	1.5	7	112	24 4	
MELO	3222S	05411W	100	1003.2	1015.5	11.7	-1.7	8.9		9	92	-7 4	
PASO DE LOS TOROS	3248S	05631W	75	1006.5	1015.7	11.8	-2.9	10.7		4	29	-67 1	
MERCEDES	3315S	05804W	22	1014.1	1016.2	11.9	-2.1	10.5		3	15	-64 2	
TREINTA Y TRES	3313S	05423W	46	1009.9	1015.5	11.8	-2.0	11.9		8	57	-28 3	
COLONIA	3427S	05750W	23	1013.0	1015.8	12.6	-2.3	11.0		4	25	-57 2	
ROCHA	3429S	05418W	18	1012.4	1014.7	11.7	-2.3	11.5		6	112	32 4	
EL PRADO	3451S	05612W	16	1013.5	1015.6	12.1	-2.2	10.9	0.7	5	27	-68 0	
ARGENTINA													
LA QUIACA OBSERVATORIO	2206S	06536W	3459	671.5	3111 Z	7.0	0.4	4.1	0.2	0	0	-1 4	
SALTA AERO	2451S	06529W	1221	878.5	1494 Y	10.1	-3.2	9.4	-2.8	1	5	-4 3	119 75
RIVADAVIA	2410S	06254W	205	989.6	1014.0	15.3	-3.8	12.5		1	6	-11 2	
LAS LOMITAS	2442S	06035W	130	999.6	1015.1	16.6	-2.4	13.7	-3.2	3	12	-40 1	182 95
IGUAZU AERO	2544S	05428W	270	983.8	1015.4	15.2	-2.1	16.1	-1.0	13	258	106 5	112 75
TUCUMAN AERO	2651S	06506W	450	963.1	1015.7	12.8	-2.3	12.0		3	12	159	
SANTIAGO DEL ESTERO AERO.	2746S	06418W	199	991.7	1015.3	13.1	-3.5	10.7	-3.3	2	8	-6 3	167 103
PRES. ROQUE SAENZ PENA AERO	2649S	06027W	92	1005.2	1016.1	14.5	-4.0	13.3	-3.1	5	46	-16 3	183 98
RESISTENCIA AERO.	2727S	05903W	52	1008.8	1015.0	14.2	-3.8	13.6	-3.3	7	66	-21 2	162 99
FORMOSA AERO	2612S	05814W	60	1007.1	1014.3	15.9	-3.2	15.0	-2.8	6	68	-41 2	176 85

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SURFACE

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	% OF AV.	
S AMERICA															
ARGENTINA	0°	0°	0	mb	mb	mb	°C	°C	mb	mb	mb	mb	mb	%	
CORRIENTES AERO.	2727S	05846W	62	1008.0	1015.5	15.1	-3.2	13.7	-3.0	7	69	-22	3	205 100	
POSADAS AERO.	2722S	05558W	125	999.5	1015.2	15.3	-2.7	14.6	-1.6	10	207	86	5	152 87	
LA RIOJA AERO.	2923S	06649W	429	964.3	1014.3	12.6	-2.8	9.3	-2.8		18	14	6	197 99	
CATAMARCA AERO.	2836S	06546W	454	961.1	1014.2	12.5	-3.5	9.5	-2.6	2	12	1	4	153	
CERES	2953S	06157W	88	1005.7	1016.2	12.4	-3.6	10.9	-4.1	4	47	15	4	222 123	
RECONQUISTA AERO	2911S	05940W	53	1009.6	1016.0	13.4	-3.7	13.2	-3.2	6	32	-48	2	219 114	
PASO DE LOS LIBRES AERO	2941S	05709W	70	1006.3	1014.6	13.3	-3.4	12.8	-2.4	8	78	-24	3	90	
JACHAL	3015S	06845W	1165	883.4	1481	Y	9.3	-2.7	7.5	-0.8	3	16	15	6	156 75
SAN JUAN AERO	3134S	06825W	598	947.8	1017.2	10.1	-2.0	7.4	-1.2	3	38	37	6	210 96	
CHAMICAL AERO	3022S	06617W	461	964.7	1018.7	12.5	-3.8	8.5	-3.6	3	15	8	4		
CHEPES	3120S	06636W	658	940.5	1017.0	10.8	-3.4	9.6	-1.6	3	40	34	6		
VILLA DOLORES AERO	3119S	06508W	569	950.0	1016.4	10.7	-3.7	8.2	-2.7	2	17	4	195	100	
CORDOBA AERO	3119S	06413W	474	961.0	1016.8	10.8	-3.3	9.1	-2.7	6	39	16	5	185 100	
PILAR OBSERVATORIO	3140S	06353W	338	977.4	1017.5	10.8	-3.1	8.9	-2.5	5	75	57	6	209 107	
PARANA AERO	3147S	06029W	78	1007.6	1016.9	12.2	-2.5	10.9	-2.7	4	74	28	5	211 113	
CONCORDIA AERO	3118S	05801W	38	1012.2	1016.8	12.4	-3.1	11.6	-2.8	6	105	23	4	149	
MENDOZA AERO	3250S	06847W	704	935.6	1017.6	9.3	-1.9	7.9	-1.1	3	13	6	4	179 90	
SAN LUIS AERO	3316S	06621W	713	933.8	1016.5	10.1	-2.9	7.2	-2.2	1	20	10	5	205 100	
VILLA REYNOLDS AERO	3344S	06523W	486	960.2	1018.4	8.2	-4.6	8.2	-1.9	2	32	14	4	185 100	
RIO CUARTO AERO	3307S	06414W	421	958.4	1017.6	10.1	-2.9	8.6	-1.9	3	72	47	5	156 85	
MARCOS JUAREZ AERO	3242S	06209W	114	1004.5	1018.5	7.7	-6.1	9.6	-3.1	3	109	63	6	188 115	
ROSARIO AERO	3255S	06047W	25	1013.1	1016.0	11.5	-2.0	10.5	-2.2	4	89	44	5	197 102	
GUALEGUAYCHU AERO	3300S	05837W	21	1013.2	1016.1	11.2	-2.9	11.7	-0.9	2	11	-55	1	196 110	
MALARGUE AERO	3530S	06935W	1425	857.4	1495	Y	5.1	5.8		4	35	4	137	75	
SAN RAFAEL AERO	3435S	06824W	748	930.3	1017.6	7.9	-3.5	7.7	-0.5	4	53	46	6	122 70	
GENERAL PICO AERO	3542S	06345W	145	999.8	1017.3	10.7		10.0		1	3	1	1	136 105	
LABOULAYE	3408S	06322W	137	1001.0	1017.6	10.1	-3.0	9.1	-2.0	1	12	-20	3	187 110	
PEHUAJO AERO	3552S	06154W	86	1006.2	1016.6	10.3	-1.4	10.4	-1.0	2	11	-38	1	150 95	
JUNIN AERO	3433S	06057W	81	1006.6	1016.5	9.8	-2.7	9.3	-2.3	1	14	-34	1	197 115	
EZEIZA AERO	3449S	05832W	20	1013.8	1016.4	10.5	-2.3	9.8	-2.1	2	15	-62	1	140 110	
AEROPARQUE	3434S	05825W	6	1017.1	1017.6	12.5		10.9		3	17	1	1	197 115	
BUENOS AIRES (OBS. CENTRAL)	3435S	05829W	25	1013.7	1016.8	12.1	-2.0	10.6	-2.4	3	31	-43	2	175 101	
PUNTA INDIOS B.A.	3522S	05717W	22	1013.0	1015.8	10.2	-2.8	11.6	-1.2	2	26	-26	3	213 115	
GENERAL ACHA	3722S	06435W	219	990.1	1016.5	8.7	-1.8	8.3		9	-7	3	139		
SANTA ROSA AERO	3634S	06416W	191	994.1	1017.3	8.5	-2.6	8.7	-1.8	2	4	-19	2	168 102	
AZUL AERO	3645S	05950W	132	1001.6	1017.6	8.8	-1.4	9.1	-1.6	4	40	-32	2	177 121	
TANDIL AERO	3714S	05915W	175	994.8	1016.0	8.0	-2.1	6.3	-4.3	4	27	-43	2	171	
PIGUE AERO	3736S	06223W	304	979.6	1016.1	7.5	-2.1			2	11	-33	1	153 95	
TRES ARROYOS	3820S	06150W	115	1002.8	1016.8	8.6	-2.0	9.0	-1.3	7	69	12	4	162 100	
MAR DEL PLATA AERO	3756S	05735W	21	1010.7	1013.3	8.6	-2.8	9.5	-2.3	10	87	3	4		
NEUQUEN AERO	3857S	06808W	271	984.5	1017.0	8.2	-1.0	7.0	-0.8	1	2	-13	1	158 100	
RIO COLORADO	3901S	06405W	79	31	1007.5	1016.8	8.9	-2.3	8.4	-0.9	1	2	-22	1	
BAHIA BLANCA AERO	3844S	06210W	83	1006.4	1016.5	8.7	-2.4	8.9	-1.1	5	23	-11	3	190 145	
CATEDRAL 2000	4115S	07137W	1955	801.2	1490	Y	-1.4		4.6		6	45		88	
BARILOCHE AERO	4109S	07110W	840	919.6	1467	Y	4.0	-1.2	6.1	-1.5	7	48	-87	1	159 134
MAQUINCHAO	4115S	06844W	888	912.9	1467	Y	5.0	-0.5	4.2	-2.6	1	4	-19	1	
SAN ANTONIO OESTE AERO	4044S	06457W	7	31	1014.0	1014.9	9.9	-1.6	8.2	-0.6	2	7	-21	2	
VIEDMA AERO	4051S	06301W	7	1013.1	1013.8	9.4	-0.7	8.4	-0.6	8	46	-10	4	159	
ESQUEL AERO	4258S	07090W	785	922.1	1015.1	3.7	-1.3	6.1	-0.4	6	20	-57	1	127	
PASO DE INDIOS	4349S	06853W	460	957.8	1012.6	6.9	-0.2	5.4	-1.3	3	23	0	3	152	
TRELEW AERO	4312S	06516W	43	1009.7	1015.0	8.0	-1.7	6.6	-1.1	3	7	-13	2	169 111	
COMODORO RIVADAVIA AERO	4547S	06730W	46	1006.6	1012.3	9.1	-0.3	6.4	-0.4	2	13	-21	2	155 138	
GOBERNADOR GREGORES AERO	4847S	07010W	356	966.6	1010.0	5.6	1.2	6.4	1.1	3	18	-3	4	121 100	
PUERTO DESEADO AERO	4744S	06555W	80	1002.1	1011.8	6.3	-0.4	7.0	-0.5	3	17	-15	3	149	
LAGO ARGENTINO AERO	5020S	07218W	220	982.9	1009.7	5.1	1.0	5.5	-0.4	2	2	-35	0	145 125	
SAN JULIAN AERO	4919S	06747W	62	1002.1	1009.7	6.2	0.7	6.1		3	18	-13	3	164	
SANTA CRUZ AERO	5001S	06834W	111	995.6	1009.2	5.3	1.3	5.7		1	18	-7	3		
RIO GALLEGOS AERO	5137S	06917W	19	988.4	990.7	5.0	1.5	6.2	-0.1	9	38	21	5	87 81	
RIO GRANDE B.A.	5348S	06745W	22	1001.2	1004.0	3.6	0.6	6.6	-0.1	10	30	-6	3	68	
USHUAIA B.A.	5448S	06819W	14	1001.1	1002.8	5.0	1.7	6.8	-0.2	3	18	-31	1		
ANTARCTICA											2	4		25	
ARGENTINA (ANTARCTIC)	6324S	05659W	13	995.6	997.1	-11.3	-1.2								
ESPERANZA B.E.															

STATION	LATITUDE	LONGITUDE	ELEVATION	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
				MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DEPARTURE	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
ANTARCTICA	0°	0°	0'	mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	%	
ARGENTINA (ANTARCTIC)															
GENERAL BELGRANO II B.E.	7752S	03437W	0	962.0	996.0	-21.6				2	6		0		
TENIENTE JUBANY E.C.	6214S	05838W	4	996.4	997.9	-5.2		3.3		2	7		14		
CENTRO MET. ANTARTICO"VICEC."	6414S	05643W	198	972.7	998.6	-17.7	-4.3			3	5		0		
GENERAL SAN MARTIN B.E.	6808S	06708W	4	993.6	994.2	-4.9		3.7					0		
SOUTH AFRICA (ANTARCTIC)															
S.A.N.A.E. STATION	7018S	00221W	62	982.9	990.1	-22.0	0.2	0.8	-1.3						
GERMANY, F.R. (ANTARCTIC)															
GEORG VON NEUMAYER	7037S	00822W	40	984.6	989.0	-21.7		1.1							
UNITED KINGDOM(ANTARCTIC)															
HALLEY	7530S	02639W	32	989.7	994.0	-28.6	-4.4	0.6	-1.7						
JAPAN (ANTARCTIC)															
SYOWA	6900S	03935E	21	987.9	990.5	-12.6	0.9	1.5							
FRANCE (ANTARCTIC)															
DUMONT D'URVILLE	6640S	14001E	43	978.9	984.6	-16.6		0.9							
SW PACIFIC															
MALAYSIA (PENIN. MALAYSIA)															
PENANG/BAYAN LEPAS	0518N	10016E	4	1009.5	1009.9	27.6	0.1	32.0		13	286	38	196	95	
KUANTAN	0337N	10313E	16	1008.4	1010.2	27.2	0.4	30.8		10	187	-27	224	110	
MALACCA	0216N	10215E	9	1009.1	1010.1	27.2	0.2	31.0		11	196	36	216	100	
MALAYSIA(PENIN. MALAYSIA)															
KOTA BHARU	0610N	10217E	5	1008.9	1009.5	28.5	0.7	29.9	1.0	2	37	-77	1	256	111
KUALA LUMPUR/SUBANG	0307N	10133E	22	1007.9	1010.4	27.2	0.0	30.5	0.4	10	211	14	4	199	101
SINGAPORE															
SINGAPORE/CHANGI AIRPORT	0122N	10359E	16	1008.0	1009.9	27.6		31.1		14	270	5	174	95	
USA (PACIFIC OCEAN NORTH)															
LIHUE, KAUAI, HAWAII	2159N	15921W	45	1011.5	1016.7	22.2	-2.0	20.1	-2.9	15	47	-29	3	233	104
HONOLULU, OAHU, HAWAII	2121N	15756W	5	1015.3	1015.8	24.3	-0.5	18.7	-1.9	4	19	-18	3	319	112
GUAM, MARIANA IS.	1333N	14450E	111	999.7	1012.3	26.6	0.1	26.5	-1.7	4	16	-171	0		
HILO/GEN. LYMAN, HAWAII,	1943N	15504W	11	1014.2	1015.5	22.5	-0.6	21.2	-1.1	18	398	166	5	144	118
TRUK, CAROLINE IS.	0728N	15151E	2	1010.2	1010.5	28.8	1.3	30.1	0.0	10	150	-251	0	272	126
PONAPE, CAROLINE ISLANDS.	0658N	15813E	46	1004.8	1009.8	27.8	0.7	29.8	-0.2	14	234	-276	1	236	146
KWAJALEIN/BUCH. MARSHALL IS.	0844N	16744E	8	1009.8	1010.7	28.3	0.6	28.7	-2.0	9	163	-123	1		
MAJURO/MARSHALL IS. INT.	0705N	17123E	3	1010.2	1010.5	27.5	0.2	30.2	1.5	15	234	-79	2	267	119
KOROR, PALAU IS.	0720N	13429E	33	1007.2	1011.0	27.9	0.0	31.3	0.0	21	389	56	4	132	61
YAP, CAROLINE IS.	0929N	13805E	17	1009.0	1010.9	28.0	0.4	29.5	-0.7	11	101	-152	1	163	78
SOLOMON ISLANDS															
HONIARA/HENDERSON	0925S	16003E	9	1008.3	1009.3	26.5		27.9		10	92	2	198	90	
VANUATU															
PEKO A AIRPORT(ESPIRITU-SANTO)	1531S	16713E	56		1011.7	25.3	0.8	27.0		17	202	-16	3		
BAUERFIELD (EFATE)	1742S	16818E	21	1011.2	1013.8	24.2		24.6		17	502			156	
ANEITYUM	2014S	16946E	6		1016.7	23.8	0.9	25.0		14	128	-52	2		
NEW CALEDONIA															
KOUMAC (NLLE-CALEDONIE)	2034S	16417E	18	1013.0	1015.1	23.4	1.0	21.9	1.0	2	9	-67	1	186	90
NOUMEA (NLLE-CALEDONIE)	2216S	16627E	72	1008.9	1017.3	22.8	0.7	21.5	1.1	8	120	26	4	196	107
NEW ZEALAND (KIRIBATI)															
TARAWA	0121N	17255E	4	1008.8	1009.2	28.0	-0.3	31.5	2.1	17	284	121	5	154	40
NEW ZEALAND (TUVALU)															
FUNAFUTI	0831S	17913E	2	1008.4	1008.6	27.7	-0.5	32.0	0.9	18	509	257	5	127	120

SW PAC-FIJI

SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION mb	MEAN SEA LEVEL mb	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE	TOTAL hr	% OF AV.
SW PACIFIC	0°	0°	0	3												
FIJI																
NANDI	1745S	17727E	18	1010.9	1013.0	24.0	-0.8	22.1	-1.2	0	1	-80	0	211	104	
NAUSORI	1803S	17834E	7	1012.8	1014.1	23.5	-0.5	23.4	-1.7	21	145	-102	3			
NEW CALEDONIA (DETACHED IS.)																
HIHIFO (ILE WALLIS)	1314S	17610W	27	1007.5	1010.6	24.8	-2.3	28.2	-1.4	15	168	-81	2	176	85	
USA (SAMOA)																
PAGO PAGO/INT. AIRP.	1420S	17043W	3	1011.1	1011.4	26.9	0.3	28.4	-0.6	11	130	-160	1	109	85	
NEW ZEALAND(COOK ISLANDS)																
RAROTONGA	2112S	15949W	7	1011.3	1013.1	23.3	-0.3	22.9	-0.4	13	213	30	4	106	65	
FRENCH POLY. (MARQUESAS)																
ATUONA	0948S	13902W	52	1004.7	1010.5	27.0	0.9	28.8	3.0	16	98	-2	3	243	110	
FRENCH POLY. (SOCIETY IS.)																
BORA-BORA	1627S	15145W	3	1010.8	1011.1	27.8	1.3	30.3	3.4	13	253	94	5	225	100	
TAHITI-FAAA	1733S	14937W	2	1011.2	1011.5	26.9	1.1	28.0	2.8	8	175	71	4	221	95	
FRENCH POLY. (TUAMOTU IS.)																
TAKAROA	1429S	14502W	3	1011.0	1011.3	28.3	0.8	30.2	3.1	13	54	-32	2	257	105	
HAO	1804S	14057W	3	1012.5	1012.9	27.6	1.1	29.0	0.8	10	44	-54	2	281	115	
HEREHERETUE	1952S	14500W	3	1012.6	1013.0	26.5	0.8	27.5	1.3	18	273	130	5	180	80	
RIKITEA	2308S	13458W	89	1004.9	1015.0	23.9	-0.1	24.4	0.9	13	171	41	4	164	90	
FRENCH POLY. (AUSTRAL IS.)																
TUBuai	2321S	14929W	3	1014.1	1014.4	23.1	0.1	24.1	1.6	19	207	60	5	98	60	
RAPA	2737S	14420W	2	1016.3	1016.6	20.5	0.0	18.4	-1.2	15	179	-98	2	76	65	
NEW ZEALAND																
KAITAIA	3508S	17316E	87	1013.0	1023.6	14.0		13.1		4	51	0	132	90		
AUCKLAND AIRPORT	3701S	17448E	6	1022.6	1023.4	13.3	-0.6	13.1	-0.1	11	64	-54	1	124	90	
GISBORNE AERODROME	3840S	17759E	8	1019.5	1020.5	11.7	0.0	11.6	0.5	5	60	-27	2	159	114	
NEW PLYMOUTH AERODROME	3901S	17411E	36	1018.6	1022.4	12.2	0.0	12.3	0.4	10	131	-34	2	108	74	
WELLINGTON	4117S	17446E	128	1004.7	1020.4	12.1	1.0	11.7	0.8	8	123	-13	3	112	95	
HOKITIKA AERODROME	4243S	17059E	40	1015.6	1021.0	11.1	1.3	11.5	1.2	16	312	50	4	83	68	
CHRISTCHURCH AIRPORT	4329S	17233E	34	1013.9	1018.2	10.4	1.5	9.8	0.6	6	54	-16	2	161	121	
INVERCARGILL AERODROME	4625S	16820E	1	1016.8	1017.0	8.4	0.7	8.8	-0.4	9	50	-57	1	85	91	
CAMPBELL ISLAND	5233S	16909E	19	1004.4	1006.7	7.0	1.0	8.4	0.1	20	157	23	5	9	43	
CHATHAM ISLAND	4357S	17634W	48	1011.5	1017.4	10.9	0.5	12.0	1.4	9	29	-85	0	64	73	
RAOUL ISLAND, KERMADEC IS.	2915S	17755W	49	1016.4	1022.3	18.5	-0.2	16.3	-1.1	10	40	-102	0	171	111	
AUSTRALIA																
DARWIN AIRPORT	1224S	13052E	30	1009.2	1012.6	27.9	0.9	20.5	-0.4	4	146	122	5	307	105	
GOVE AIRPORT	1216S	13649E	54	1006.8	1013.0	26.9		26.4		7	28			255		
THURSDAY ISLAND	1035S	14213E	61	1004.9	1011.8	26.8	0.1	27.9	0.8	4	13	-29	2			
BROOME AIRPORT	1757S	12213E	9	1013.0	1014.0	26.2	1.4	10.7	-4.6	0	0	-35	2			
HALLS CREEK AIRPORT	1813S	12739E	424	967.5	1015.8	24.7	1.6	10.7	0.1	0	0	-19	2			
TENNANT CREEK AIRPORT	1938S	13104E	376	974.3	1017.4	22.3	0.8	7.4	-1.9	0	0	-11	2	317	110	
CAIRNS AIRPORT	1653S	14545E	7	1014.8	1015.6	24.1	0.6	22.9	1.6	10	103	6	3	233		
TOWNSVILLE AIRPORT	1915S	14645E	6	1016.3	1017.0	23.9	1.6	16.9	-0.7	4	15	-21	3	262	115	
WILLIS ISLAND	1618S	14959E	9	1013.1	1014.1	26.1	0.2	25.8	-0.4	9	54	-22	3			
CARNARVON AIRPORT	2452S	11340E	7	1019.1	1019.9	19.5	-0.7	10.1	-3.2	2	5	-39	1			
LEARMONTH AIRPORT	2214S	11405E	6	1017.7	1018.3	19.9		12.7		2	12					
PORT HEDLAND AIRPORT	2022S	11837E	11	1015.7	1016.4	24.5	1.3	8.1	-4.7	0	T	-32	1			
ALICE SPRINGS AIRPORT	2348S	13354E	544	958.3	1021.8	14.7	-1.0	7.2	-2.4	1	3	-17	2	269	105	
MT ISA AIRPORT	2039S	13929E	342	977.9	1017.4	21.7		9.0		0	T	-21	2	317	110	
LONGREACH AIRPORT	2326S	14416E	193	996.8	1019.4	19.9	1.2	11.2	-0.5	1	20	-7	3			
MACKAY	2107S	14913E	31	1014.3	1017.9	21.0	0.8	19.2	0.4	8	61	-36	3			
GLADSTONE	2351S	15116E	76	1010.5	1019.4	21.7	0.9	17.0	0.4	6	26	-24	3			
GERALDTON AIRPORT	2847S	11442E	34	1018.3	1022.3	16.7	-1.5	11.2	-1.8	5	34	-41	1			
MEEKATHARRA AIRPORT	2636S	11831E	518	962.0	1021.7	15.7	-1.4	8.2	-1.7	3	7	-17	2			
GILES	2502S	12818E	599	952.3	1020.9	15.9	-1.2	6.7	-2.1	1	2	-17	2	267	104	
CHARLEVILLE AIRPORT	2625S	14616E	304	985.5	1021.1	15.9	0.4	10.9	-0.3	2	14	-16	2			
MOREE	2928S	14951E	212	996.5	1021.6	15.4	0.5	12.0	1.2	4	62	23	5	229		

SW PAC-AUSTRALIA

SURFACE

MAY 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
				MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	MEAN mm	DEPARTURE mm	TOTAL mm	% OF AV.
SW PACIFIC													
AUSTRALIA	0°	0°	3	mb	mb	°C	°C	mb	mb	mm	mm	hr	%
BRISBANE AIRPORT	2726S	15305E	6	1020.0	1020.7	19.4	0.8	16.0	1.5	10	119	38	192
PERTH AIRPORT	3156S	11557E	12	1022.4	1023.8	15.1	-0.8	10.9	-1.4	6	79	-31	2
KALGOORLIE AIRPORT	3046S	12127E	360	981.3	1023.6	12.9	-1.4	9.1	-1.6	4	15	-14	2
ESPERANCE	3349S	12153E	26	1019.9	1023.0	14.4	-1.0	11.6	-0.8	12	86	2	3
FORREST AIRPORT	3050S	12806E	160	1004.3	1023.5	13.7	-0.5	10.0	-0.6	3	17	0	4
CEDUNA AIRPORT	3207S	13342E	17	1021.5	1023.6	13.9	-0.6	11.4	0.2	7	28	-16	2
WOOMERA AERODROME	3109S	13648E	167	1003.4	1023.4	14.5	-0.1	10.9	0.5	3	26	5	4
ADELAIDE AIRPORT	3456S	13831E	4	1021.9	1022.4	14.3	0.3	11.8	0.3	13	92	30	5
MILDURA AIRPORT	3414S	14205E	53	1016.3	1022.7	13.5	0.4	10.9	0.2	3	22	-7	3
COBAR	3129S	14549E	265	991.5	1023.0	14.2	0.1	10.2	-0.2	2	8	-27	2
SYDNEY AIRPORT	3357S	15111E	3	1021.4	1021.9	16.1	0.7	12.2	-0.1	9	73	-19	3
WILLIAMTOWN AERODROME	3247S	15149E	11	1020.9	1021.9	14.9	0.2	13.3	0.4	10	170	62	4
COFFS HARBOUR AIRPORT	3019S	15307E	5	1021.0	1021.7	17.1	1.0	14.0	0.0	13	331	169	5
ALBANY AIRPORT	3457S	11748E	69	1015.1	1023.4	13.9	-0.6	12.1	-0.5	13	132	25	5
MT GAMBIER AIRPORT	3744S	14047E	69	1012.1	1020.4	12.5	1.0	11.8	0.6	17	145	72	5
LAVERTON AERODROME	3751S	14444E	14	1018.5	1021.0	12.6	0.3	11.2	0.2	11	75	18	4
EAST SALE AERODROME	3806S	14708E	8	1020.0	1021.0	12.4	1.1	10.6	-0.3	6	27	-30	2
WAGGA AIRPORT	3509S	14727E	213	997.3	1022.8	11.5	0.2	10.0	-0.3	4	50	-5	4
CANBERRA AIRPORT	3518S	14911E	577	954.3	1022.7	9.4	0.6	9.1	0.2	6	56	10	4
HOBART AIRPORT	4250S	14730E	3	1016.5	1016.9	11.5	1.0	9.7	0.0	9	49	-2	3
AUSTRALIA (ADDITIONAL IS.)													
LORD HOWE ISLAND	3131S	15905E	46	1015.9	1021.3	19.5	0.9	16.6	0.6	18	226	52	4
NORFOLK ISLAND AIRPORT	2902S	16756E	109	1009.3	1022.2	19.1	0.7	16.6	0.9	10	80	-50	2
MACQUARIE ISLAND	5429S	15856E	6	1000.3	1001.0	4.3	0.2	6.9	-1.1	18	95	19	5
MALAYSIA (SABAH & SARAWAK)													
KUCHING	0129N	11020E	27	1008.2	1010.8	26.7	-0.1	30.1		13	225	-35	2
KOTA KINABALU	0556N	11603E	3	1009.2	1009.5	27.9	0.6	30.9		13	283	77	5
ISLANDS													
COCOS ISLAND AIRPORT	1211S	09649E	3	1010.7	1011.0	27.1	0.2	30.5	2.9	23	549	363	5
PHILIPPINES													
LAOAG	1811N	12032E	5	1009.3	1009.9	29.9	0.9	29.8	5.8	0	0	-126	0
APARRI	1822N	12138E	4	1009.7	1010.0	28.6	-0.5	33.6	3.5	2	41	-52	2
TUGUEGARAO	1737N	12144E	24	1003.7	1017.0	31.2		29.8		8	107		3
DAGUPAN	1603N	12020E	2								62	-170	1
BAGUIO	1625N	12036E	1501	882.3	1008.9	21.2	0.8	20.6	3.9	22	260	-76	2
MANILA INT. AIRPORT	1431N	12100E	15	1009.5	1010.7	31.1	1.7	29.8	1.4	4	17	-108	1
LEGASPI	1308N	12344E	17	1008.6	1010.5	29.4	1.4	31.7	2.1	8	42	-155	1
TACLOBAN	1115N	12500E	21	1009.8	1010.1	29.0	0.9	31.7	1.4	4	24	-124	0
ILOILO	1042N	12234E	8	1008.6	1009.5	31.1	2.5	29.8	-0.8	2	42	-80	2
TAGBILARAN	0936N	12351E	6	1009.3	1010.0	28.9	0.6		0	0	0	-81	0
MACTAN	1018N	12358E	9	1009.7	1011.1	27.6	-1.7	29.8	1.9	1	3	-55	
ZAMBOANGA	0654N	12204E	6	1008.8	1009.5	29.6	2.0	31.7	1.8	12	26	-66	1

SW PAC-PAPAU N GUINEA

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION mb	MEAN SEA LEVEL mb	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE TOTAL hr	% OF AV.
JUL 1986	0°	0°	n												
SW PACIFIC															
PAPAU NEW GUINEA															
PORT MORESBY M.O.	0926S	14713E	47	1005.1	1010.5	26.3	0.5	25.2	0.4	1	4	-18	2		117
AUG 1986															
SW PACIFIC															
PAPAU NEW GUINEA															
MADANG M.O.	0513S	14548E	12	1008.7	1009.3	27.1	0.8	27.7	0.0	11	177	43	4	209	98
PORT MORESBY M.O.	0926S	14713E	47	1004.5	1009.9	26.4	0.3	24.4	0.0	2	7	-21	2		109
RABAUL M.O.	0413S	15211E	9	1008.1	1009.1	27.6	0.6	30.0	1.3	5	78	-37	2		
AUSTRALIA															
CANBERRA AIRPORT	3518S	14911E	577	948.5	1016.9	7.3	0.6	7.5	0.0	6	54	4	4	201	109
SEP 1986															
ANTARCTICA															
AUSTRALIA															
MANSON	6736S	06253E	16	973.7	975.4	-16.3	1.4	0.8							
DAVIS	6835S	07758E	13	973.7	975.4	-15.1	1.9	0.8				3	86	77	6
CASEY	6616S	11032E	15	971.7	973.6	-12.7	2.4	1.5	0.1	4	14	-17	2		
SW PACIFIC															
SOLOMON ISLANDS															
HONIARA/HENDERSON	0925S	16003E	9	1008.6	1009.6	26.4	0.3	27.1	0.1	13	138	5			77
PAPAU NEW GUINEA															
PORT MORESBY M.O.	0926S	14713E	47	1005.2	1010.5	26.6	0.1	24.0	-0.8	2	8	-32	2		114
RABAUL M.O.	0413S	15211E	9	1008.8	1009.8	27.0	-0.4	27.2	-1.3	9	90	-16	3		
AUSTRALIA															
DARWIN AIRPORT	1224S	13052E	30	1008.8	1012.2	28.1	0.3	22.7	0.1	2	6	-6	3	294	99
THURSDAY ISLAND	1035S	14213E	61	1005.5	1012.4	26.2	0.3	24.3	0.1	2	6	3	5		
BROOME AIRPORT	1757S	12213E	9	1011.9	1012.9	24.8	-0.2	14.9	-0.4	0	1	-1	4		
HALLS CREEK AIRPORT	1813S	12739E	424	964.7	1012.4	26.9	0.8	8.8	-0.3	3	6	2	5		
TENNANT CREEK AIRPORT	1938S	13410E	376	971.5	1014.0	25.9	1.8	7.6	0.0	1	3	-9	3		78
CAIRNS AIRPORT	1653S	14545E	7	1014.1	1014.9	24.2	0.8	22.2	3.3	4	16	-16	3		
TOWNSVILLE AIRPORT	1915S	14645E	6	1014.7	1015.4	23.9	1.7	17.6	1.1	1	38	29	5		95
WILLIS ISLAND	1618S	14959E	9	1013.3	1014.3	25.2	0.3	22.5	0.4	1	4	-15	2		
CARNARVON AIRPORT	2453S	11340E	7	1016.1	1016.9	18.2	-0.7	12.1	0.3	2	22	18	6		
LEARMONTH AIRPORT	2214S	11405E	6	1014.7	1015.3	21.0	-0.4	12.3	0.6	3	8	7	6		
PORT HEDLAND AIRPORT	2022S	11837E	11	1012.7	1013.4	23.1	-0.5	11.1	1.1	0	T	-1	3		
ALICE SPRINGS AIRPORT	2348S	13354E	544	953.9	1016.5	18.6	0.4	8.1	0.1	0	T	-10	2	291	95
MT ISA AIRPORT	2039S	13929E	342	975.2	1014.2	24.7	2.7	6.8	-1.9	1	2	-9	3		90
LONGREACH AIRPORT	2326S	14416E	193	992.9	1015.3	22.5	1.9	7.9	-1.5	0	T	-11	2		
MACKAY	2107S	14913E	31	1012.6	1016.2	21.5	1.2	17.7	0.5	2	15	-1	4		
GLADSTONE	2351S	15116E	76	1008.1	1017.0	21.6	0.7	15.1	-0.1	2	84	63	6		
GERALDTON AIRPORT	2847S	11442E	341	1013.7	1017.8	15.2	0.0	13.0	0.4	3	11	-19	1		
MEEKATHARRA AIRPORT	2636S	11831E	518	956.6	1015.9	18.1	0.0	7.7	-0.4	3	41	37	6		
GILES	2502S	12818E	599	947.4	1015.0	21.0	1.8	5.7	-1.8	0	1	-10	3	307	101
CHARLEVILLE AIRPORT	2625S	14616E	304	980.8	1016.1	18.1	0.7	7.6	-1.6	1	23	2	4		
MOREE	2928S	14951E	212	991.5	1016.4	15.9	0.5	10.4	-0.2	4	68	34	5		
BRISBANE AIRPORT	2726S	15305E	6	1016.1	1016.8	19.0	0.8	13.1	0.6	3	18	-17	2		109
PERTH AIRPORT	3156S	11557E	12	1016.7	1018.1	14.9	0.7	11.9	0.3	8	52	-13	2		81
KALGOORLIE AIRPORT	3046S	12127E	360	974.8	1016.8	14.8	0.1	8.5	-0.3	3	23	5	4		
ESPERANCE	3349S	12153E	26	1014.1	1017.2	14.5	0.4	11.4	0.2	11	59	-5	3		
FORREST AIRPORT	3050S	12806E	160	997.5	1016.6	15.2	0.5	8.9	-0.4	3	13	-3	4		
CEDUNA AIRPORT	3207S	13342E	17	1016.1	1018.1	13.9	-0.5	9.8	-0.7	4	20	-10	3	224	95
WOOMERA AERODROME	3109S	13648E	167	998.1	1017.9	15.7	0.3	8.5	-0.8	0	2	-16	2	270	102
ADELAIDE AIRPORT	3456S	13831E	4	1017.1	1017.6	13.1	-0.3	11.0	0.4	7	51	9	4		119
MILDURA AIRPORT	3414S	14205E	53	1010.5	1016.8	13.8	0.1	10.0	0.1	4	32	3	4		

SW PAC-AUSTRALIA

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE					
					MEAN mb	STATION mb	MEAN SEA LEVEL °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM mm	TOTAL mm	DEPARTURE mm	QUINTILE hr				
SEP 1986																		
SW PACIFIC																		
AUSTRALIA																		
COBAR	3129S	14549E	265	985.9	1017.0	14.9	-0.2	9.1	-0.1	5	22	-7	3					
SYDNEY AIRPORT	3357S	15111E	3	1015.5	1016.0	16.2	0.9	11.5	0.7	6	26	-26	2	102				
WILLIAMTOWN AERODROME	3247S	15149E	11	1014.8	1016.1	15.5	0.6	12.3	0.7	8	56	0	4	220				
COFFS HARBOUR AIRPORT	3019S	15307E	5	1015.7	1016.4	17.0	0.9	11.7	-0.1	4	22	-43	2	105				
ALBANY AIRPORT	3457S	11748E	69	1008.5	1016.8	12.9	0.3	12.1	0.9	18	132	-47	5					
MT GAMBIER AIRPORT	3744S	14047E	69	1007.5	1015.8	11.1	0.4	10.8	0.3	13	79	7	3	104				
LAVERTON AERODROME	3751S	14444E	14	1014.4	1016.1	11.3	-0.5	10.3	0.1	12	24	-32	1	91				
EAST SALE AERODROME	3806S	14708E	8	1015.4	1016.4	11.4	0.1	10.2	-0.3	10	39	-14	1	93				
WAGGA AIRPORT	3509S	14727E	213	991.8	1017.1	11.1	0.2	10.4	0.4	5	52	-4	3					
CANBERRA AIRPORT	3518S	14911E	577	948.5	1016.2	9.7	0.5	8.8	0.3	5	34	-22	2	212				
HOBART AIRPORT	4250S	14730E	3	1011.7	1012.1	10.5	0.1	8.9	-0.1	7	21	-21	2	93				
LORD HOWE ISLAND	3131S	15905E	46	1011.5	1016.9	17.1	0.5	14.5	0.7	9	101	-35	2					
NORFOLK ISLAND AIRPORT	2902S	16756E	109	1004.5	1017.4	15.5	-0.6	12.9	-1.6	9	60	-33	3	103				
MACQUARIE ISLAND	5429S	15856E	6	995.6	996.3	3.2	-0.2	6.2	-1.1	20	74	6	3	145				
COCOS ISLAND AIRPORT	1211S	09649E	3	1013.8	1014.1	25.2	-0.7	22.2	-2.3	1	3	-86	0					
OCT 1986																		
SW PACIFIC																		
AUSTRALIA																		
PORT HEDLAND AIRPORT	2022S	11837E	11	1010.6	1011.3	23.9	-2.2	14.7	2.3	0	T	-1	3					
ALICE SPRINGS AIRPORT	2348S	13354E	544	950.7	1012.0	22.5	-0.3	9.3	0.4	4	37	15	4	312				
SYDNEY AIRPORT	3357S	15111E	3	1011.7	1012.2	17.6	-0.3	10.9	-1.7	7	85	-4	4	118				
LORD HOWE ISLAND	3131S	15905E	46	1009.5	1014.9	18.8	0.9	16.1	1.0	11	87	-29	2					
NOV 1986																		
SW PACIFIC																		
ISLANDS																		
COCOS ISLAND AIRPORT	1211S	09649E	3	1012.5	1012.8	26.5	0.0	25.2	-0.3	10	46	-58	3					
DEC 1986																		
SW PACIFIC																		
AUSTRALIA (ADDITIONAL IS.)																		
LORD HOWE ISLAND	3131S	15905E	46	1010.6	1016.0	20.5	-0.7	18.1	-0.4	9	96	-9	3					
ISLANDS																		
COCOS ISLAND AIRPORT	1211S	09649E	3	1012.1	1012.4	26.7	-0.1	26.9	0.6	3	54	-81	2					
JAN 1987																		
ASIA																		
BURMA																		
MYITKYINA	2522N	09724E	147	1003.4	1020.8	18.9	0.6	15.8	0.4									
RANGOON	1646N	09610E	15	1014.4	1016.6	26.0	1.3	19.0	-1.1	0	0	-5	4					
VICTORIA POINT	0958N	09835E	47	1011.6	1014.6	28.0	1.3	25.6	1.5	0	0	-24	1					
AFRICA																		
FRANCE (OCEAN ISLANDS)																		
MARTIN DE VIVIES (ILE AMST.)	3748S	07732E	29	1015.3	1018.7	18.3	1.9	16.9	1.3	9	73	-17	3	207				
S AMERICA																		
BRAZIL																		
TRINIDADE (ILHA)	2030S	02919W	5	1016.6	1017.1	27.3	0.5	25.2	-1.4	4	120	66	5					

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE
					MEAN STATION mb	MEAN SEA LEVEL mb	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE
FEB 1987	0°	0°	3											
ASIA														
BURMA														
MYITKYINA	2522N	09724E	147		1002.0	1019.1	22.0	2.3	16.6	-0.4	3	3	-12	2
MANDALAY	2159N	09606E	76		1009.0	1018.0	23.3	0.1	7.3	-8.1	3	3	2	5
AKYAB	2008N	09253E	5		1015.3	1016.0	23.6	1.6	17.6	0.0	3	4	-3	4
RANGOON	1646N	09610E	15		1013.9	1015.9	27.0	1.1	20.6	0.4	0	0	-3	4
VICTORIA POINT	0958N	09835E	47		1012.0	1015.0	27.3	-0.2	25.6	1.2	0	0	-20	2
S AMERICA														
BRAZIL														
TRINIDADE (ILHA)	2030S	02919W	5		1017.2	1017.7	28.3	0.8	27.3	-0.4	4	11	-23	1
MAR 1987														
AFRICA														
LIBYAN ARAB JAMAHIRIYA														
TRIPOLI INT. AIRPORT	3240N	01309E	81	31	1006.3	1015.7	13.5	-2.0	10.3	-0.2	2	10	-18	3
BENINA	3205N	02016E	132	31	999.1	1014.8	12.6	-2.6	10.3	-0.7	10	60	39	5
SEBHA	2701N	01426E	432	31	964.7	1014.8	18.4	0.1	6.0	-1.4	0	0	-1	0
KUFRU	2413N	02318E	435	31	967.1	1013.8	19.9	0.6	5.0	-0.2	0	0	0	5
DJIBOUTI														
DJIBOUTI	1133N	04309E	19		1008.1	1010.2	27.1	0.3	27.4	1.2			233	85
N AMERICA														
EL SALVADOR														
ACAJUTLA	1334N	08950W	15		1007.4	1009.4	28.5	0.8	28.1	1.6	0	T	-49	2
LOS ANDES	1353N	08939W	1770								5	111	63	5
S AMERICA														
BRAZIL														
TRINIDADE (ILHA)	2030S	02919W	5		1014.1	1014.4	27.9	1.2	28.2	1.9	12	105	25	4
APR 1987														
EUROPE														
ITALY														
UDINE/RIVOLTO	4559N	01302E	53		1010.2	1016.8	4.0	-7.5	5.2	-4.2	4	39	-86	0
VERONA/VILLA FRANCA	4523N	01052E	68		1008.5	1017.0	4.3	-7.7	5.9	-4.1	4	25	-36	1
VENEZIA/TESSERA	4530N	01220E	6		1015.9	1016.8	4.2	-8.0	6.4	-3.8	3	8	-64	1
TRIESTE	4539N	01345E	20		1014.0	1016.4	5.5	-7.5	5.3	-3.9	5	22	-65	1
FALCONARA	4337N	01322E	10		1014.3	1016.1	6.2		6.7		5	78	-65	1
ROMA/FIUMICINO	4148N	01214E	3		1016.7	1017.1	13.7	0.5	10.4	-1.2	3	19	-30	1
ALGHERO	4038N	00817E	40		1014.8	1017.9	13.7	0.2	12.0	0.3	3	15	-27	1
CAGLIARI/ELMAS	3915N	00903E	18		1017.2	1017.8	14.2	0.5	12.1	0.9	1	8	-28	1
ASIA														
BANGLADESH														
BOGRA	2451N	08922E	20		1004.9	1007.0	28.1		25.7		6	209	240	
SYLHET	2454N	09153E	35		1004.9	1009.0	26.1		24.3		17	394	193	
DHAKA	2346N	09023E	9		1006.7	1007.8	28.7		27.7		11	230	226	
JESSORE	2311N	08910E	7		1006.8	1007.5	29.7		27.9		11	165	219	
CHITTAGONG (PATENGA)	2216N	09149E	6		1008.8	1009.7	27.3		28.8		9	297	217	
COX'S BAZAR	2126N	09158E	4		1009.0	1009.4	27.9		30.2		10	202	1	233
SRI LANKA														
MANNAR	0859N	07955E	3		1009.5	1009.9	29.7	0.5	33.8	4.4	5	76	-7	3
TRINCOMALEE	0835N	08115E	7		1001.0	1001.0	30.1	0.9			3	12	-47	1

AFRICA-DJIBOUTI

SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN mb	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE
APR 1987	0°	0°	0											
AFRICA														
DJIBOUTI														
DJIBOUTI	1133N	04309E	19	1008.4	1010.5	29.1	0.6	27.4	-1.5	2	6	-8	3	287 105
UNITED REPUBLIC OF TANZANIA														
TABORA AIRPORT	0505S	03250E	1190	882.5	1501 Y	23.2	0.5	20.1	1.1	12	141	7	4	
MOZAMBIQUE														
PEMBA	1258S	04030E	50	30	1001.0	1012.1	26.8	0.4	27.6	-0.2	5	47	-86	1 282 132
LICHINGA	1317S	03515E	1365	30	867.1	1535 Y	19.2	0.8	17.0	-0.8	3	22	-64	1 153
NAMPULA	1506S	03917E	441	30	963.6	1013.6	24.1	0.6	23.8	0.3	9	127	44	5 121
TETE	1611S	03335E	150	30	996.8	1013.8	28.6	2.0	16.0	-6.2	4	6	-9	3 118
QUELIMANE	1753S	03653E	16	30	1013.2	1015.2	25.4	-0.3	26.0	0.0	9	93	-43	2 264 123
BEIRA	1948S	03454E	16	30	1013.3	1015.1	26.1	0.9	24.6	-0.3	8	74	-50	2 255 104
INHAMBARNE	2352S	03523E	15	30	1014.9	1016.7	25.4	1.0	24.4	1.0	4	86	9	4 247 110
MAPUTO/MAVALANE	2555S	03234E	44	30	1012.0	1017.2	25.2	2.0	23.2	1.3	4	36	-23	2 104
N AMERICA														
EL SALVADOR														
ACAJUTLA	1334N	08950W	15	1007.7	1009.4	29.3	0.9	27.9	0.0	1	3	-55	1	
LOS ANDES	1353N	08939W	1770			18.6	0.9	13.6	-1.5	2	21	-53	2	
S AMERICA														
VENEZUELA														
LA ORCHILA	1148N	06611W	3	1012.4	1012.9	28.0	1.6	32.7		0	0	-11	1 258 95	
MARACAY - B.A. SUCRE	1015N	06739W	437	30	944.6	1012.4	29.0	2.9	27.7	6.1	2	56	27	5 211 94
CARACAS/LA CARLOTA	1030N	06653W	835	30	919.0		23.6	0.7	20.4	0.0	0	T	-53	1 190 87
BARCELONA	1007N	06441W	7	1008.5	1009.4	27.9	0.5	23.8	-2.9	0	T	-5	2 233 89	
MERIDA	0836N	07111W	1498	851.8	1515 Y	20.6	1.4	17.4	-0.6	11	121	-40	2 188 101	
CIUDAD BOLIVAR	0809N	06333W	48	1004.1	1008.1	28.7	0.1	20.0	-5.7	2	11	-25	3 214 93	
SAN ANTONIO DEL TACHIRÁ	0751N	07227W	378	30	967.8	1009.5	27.1	1.3	26.6	2.6	5	26	-38	2 151 105
SAN FERNANDO DE APURE	0754N	06725W	48	1005.2	1010.7	30.3	1.6	29.7	4.1	5	159	88	5 185 87	
PUERTO AYACUCHO	0536N	06730W	74	1002.3	1010.7	28.0	0.6	24.8	-2.2	14	165	27	3 174 95	
SANTA ELENA DE UAIREN	0436N	06107W	907	912.8	1494 Y	21.7	-0.5	20.7	-0.1	13	111	-63	2 102 56	
BRAZIL														
SAO LUIZ	0232S	04417W	51	1004.3	1010.1	26.8	1.0	31.4	1.4	18	182	-217	0	
SALVADOR	1301S	03831W	51	1006.1	1011.9	26.9	1.0	28.1	1.9	19	146	-128	2	
BOM JESUS DA LAPA	1316S	04325W	440	961.2	1014.0	26.1	0.2	26.4	4.0	5	56	-156	2	
CARAVELAS	1744S	03915W	3	1014.0	1014.5	26.4	1.5	23.3	-3.5	14	94	-29	3	
SW PACIFIC														
VANUATU														
BAUERFIELD (EFATE)	1742S	16818E	21	1009.5	1011.9	24.6		25.0		19	147			118

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL MM	DEPARTURE	QUINTILE	
JUL 1986	0°	0°	3		mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	%
SW PACIFIC															
SOLOMON ISLANDS															
HONIARA/HENDERSON	0925S	16003E	9	1009.3	1010.3	25.8	-0.2	24.9	-1.8	6	68	3		103	
NEW CALEDONIA															
PAPUA NEW GUINEA															
MADANG M.O.	0513S	14548E	12	1009.5	1010.1	26.8	0.5	28.4	0.2	11	115	-52	2	176	87
MOMOTE M.O.	0204S	14726E	5	1009.3	1009.9	27.5	0.3	29.7	2.4	15	313	-34	3		
RABAUL M.O.	0413S	15211E	9	1009.0	1010.0	26.2	-0.5	27.9	-1.1	8	138	22	4		
AUSTRALIA															
DARWIN AIRPORT	1224S	13052E	30	1009.3	1012.8	25.8	1.1	18.8	3.2	1	5	3	5	224	74
GOVE AIRPORT	1216S	13649E	54	1007.3	1013.5	24.9		24.7		10	32				
THURSDAY ISLAND	1035S	14213E	61	1005.3	1012.3	25.5	0.5	25.8	2.1	5	32	23	6		
BROOME AIRPORT	1757S	12213E	9	1013.7	1014.8	21.3	0.2	10.6	-0.9	1	5	-2	4		
HALLS CREEK AIRPORT	1813S	12739E	424	966.9	1015.7	19.5	-0.2	9.3	1.3	3	26	18	5		
TENNANT CREEK AIRPORT	1938S	13410E	376	973.7	1017.5	17.8	-0.3	8.9	2.1	4	41	33	5		82
CAIRNS AIRPORT	1653S	14545E	7	1015.4	1016.2	23.1	2.0	20.5	3.3	4	19	-6	3		
TOWNSVILLE AIRPORT	1915S	14645E	6	1016.7	1017.4	21.7	2.5	16.8	2.7	1	2	-6	3		83
WILLIS ISLAND	1618S	14959E	9	1014.1	1015.1	24.5	0.4	23.2	1.8	5	13	-14	2		
CARNARVON AIRPORT	2452S	11340E	7	1018.3	1019.1	15.1	-1.2	11.2	-1.0	8	49	-1	3		
LEARMONTH AIRPORT	2214S	11405E	6	1017.7	1018.3	15.9	-1.9	11.6	-0.9	1	10	-17	3		
PORT HEDLAND AIRPORT	2022S	11837E	11	1015.8	1016.5	18.4	-1.0	8.4	-1.6	3	24	15	5		
ALICE SPRINGS AIRPORT	2348S	13354E	544	956.2	1020.3	11.5	-0.2	8.6	0.6	8	144	128	6	218	79
MT ISA AIRPORT	2039S	13929E	342	977.7	1017.6	16.9	0.5	9.2	1.0	5	67	60	6		79
LONGREACH AIRPORT	2326S	14416E	193	996.2	1019.1	16.7	1.7	9.8	1.7	5	45	27	5		
MACKAY	2107S	14913E	31	1014.8	1018.5	18.3	1.7	16.9	2.7	4	30	-1	4		
GLADSTONE	2351S	15116E	76	1010.5	1019.5	18.3	0.7	13.9	1.5	9	21	-21	3		
GERALDTON AIRPORT	2847S	11442E	34	1015.3	1019.4	13.0	-1.5	10.7	-1.5	13	110	11	4		
MEEKATHARRA AIRPORT	2636S	11831E	518	959.3	1019.7	10.3	-2.7	8.1	-0.6	5	26	2	4		
GILES	2502S	12818E	599	949.8	1019.4	11.2	-2.1	7.6	0.6	4	55	45	6	242	85
CHARLEVILLE AIRPORT	2625S	14616E	304	984.3	1020.5	12.1	0.6	9.1	0.6	5	51	29	5		
MOREE	2928S	14951E	212	994.9	1020.4	11.1	0.5	9.3	0.7	5	92	59	5		
BRISBANE AIRPORT	2726S	15305E	6	1018.9	1019.6	15.7	0.7	11.5	0.6	7	43	-18	3		95
PERTH AIRPORT	3156S	11557E	12	1017.7	1019.2	11.2	-1.8	10.1	-1.3	12	198	30	4		103
KALGOORLIE AIRPORT	3046S	12127E	360	976.7	1019.5	8.9	-1.8	8.2	-0.7	4	18	-10	3		
ESPERANCE	3349S	12153E	26	1014.7	1017.8	11.7	-1.1	9.8	-0.7	13	114	17	4		
FORREST AIRPORT	3050S	12806E	160	1000.0	1019.3	10.5	-0.6	9.2	0.2	7	18	2	4		
CEDUNA AIRPORT	3207S	13342E	17	1017.0	1019.1	11.1	-0.5	9.5	-0.3	13	85	45	5	198	103
WOOMERA AERODROME	3109S	13648E	167	1000.1	1020.3	10.5	-0.7	8.9	-0.2	8	55	36	5	203	94
ADELAIDE AIRPORT	3456S	13831E	4	1018.1	1018.6	10.9	-0.1	10.2	-0.3	17	116	54	5		100
MILDURA AIRPORT	3414S	14205E	53	1012.5	1018.9	9.5	-0.5	9.1	0.1	6	45	19	5		
COBAR	3129S	14549E	265	988.3	1020.2	9.9	-0.4	8.3	-0.4	5	48	24	5		
SYDNEY AIRPORT	3357S	15111E	3	1017.4	1017.9	12.3	0.3	8.6	-0.8	6	24	-35	2		108
WILLIAMTOWN AERODROME	3247S	15149E	11	1017.3	1018.6	11.5	0.1	9.7	-0.1	6	30	-34	2	211	103
COFFS HARBOUR AIRPORT	3019S	15307E	5	1018.3	1019.0	14.0	1.4	10.1	-0.3	4	19	-40	3		90
ALBANY AIRPORT	3457S	11748E	69	1008.7	1017.0	10.7	-1.2	10.2	-0.5	15	134	0	3		
MT GAMBIER AIRPORT	3744S	14047E	69	1007.9	1016.3	9.1	0.2	9.7	-0.1	18	139	42	5		88
LAVERTON AERODROME	3751S	14444E	14	1015.3	1017.0	9.0	-0.3	9.1	0.3	12	58	16	5		92
EAST SALE AERODROME	3806S	14708E	8	1015.1	1016.1	8.2	-0.1	8.6	-0.2	11	48	7	4		100
WAGGA AIRPORT	3509S	14727E	213	993.5	1019.3	7.3	-0.1	8.5	0.1	13	102	49	5		
CANBERRA AIRPORT	3518S	14911E	577	949.9	1018.6	5.3	-0.1	6.7	-0.3	13	89	50	5	166	105
HOBART AIRPORT	4250S	14730E	3	1011.0	1011.4	8.3	0.3	8.0	-0.2	9	65	16	4		105
AUSTRALIA (ADDITIONAL IS.)															
LORD HOWE ISLAND	3131S	15905E	46	1011.8	1017.3	16.3	0.5	12.9	0.0	16	222	54	5		
NORFOLK ISLAND AIRPORT	2902S	16756E	109	1004.3	1017.2	15.7	-0.1	12.3	-1.0	15	71	-63	1		87
MACQUARIE ISLAND	5429S	15856E	6	996.7	997.4	3.1	-0.1	7.0	-0.7	21	88	23	5		124
ISLANDS															
COCOS ISLAND AIRPORT	1211S	09649E	3	1013.4	1013.7	25.1	-0.7	23.7	-1.8	8	25	-178	0		

SW PAC-SOLOMON ISLANDS

SURFACE CORRECTIONS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION mb	MEAN SEA LEVEL mb	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE
AUG 1986	0°	0°	3											
SW PACIFIC														
SOLOMON ISLANDS														
HONIARA/HENDERSON	0925S	16003E	9		1008.3	1009.3	26.3	0.4	26.0	-0.6	3	105	4	111
PAPUA NEW GUINEA														
MOMOTE M.O.	0204S	14726E	5		1008.4	1009.0	28.1	0.9	29.5	0.3	14	147	-137	1
AUSTRALIA														
DARWIN AIRPORT	1224S	13052E	30		1008.6	1012.0	25.7	-0.2	17.5	-2.0	1	11	8	5
GOVE AIRPORT	1216S	13649E	54		1006.6	1012.8	23.4	20.5			2	4		
THURSDAY ISLAND	1035S	14213E	61		1004.9	1011.9	25.4	0.1	24.1	0.6	3	15	6	5
BROOME AIRPORT	1757S	12213E	9		1013.3	1014.3	21.1	-1.3	9.3	-3.7	0	0	-2	2
HALLS CREEK AIRPORT	1813S	12739E	424		965.9	1014.2	21.1	-1.0	7.3	-0.8	0	0	-3	4
TENNANT CREEK AIRPORT	1938S	13410E	376		972.1	1015.3	20.3	-0.8	5.7	-1.6	0	0	-3	3
CAIRNS AIRPORT	1653S	14545E	7		1013.6	1014.4	22.6	0.6	19.6	1.5	8	25	-2	3
TOWNSVILLE AIRPORT	1915S	14645E	6		1014.5	1015.2	21.1	0.8	15.2	-0.2	3	26	12	4
WILLIS ISLAND	1618S	14959E	9		1012.6	1013.6	24.4	0.2	20.4	-0.9	5	16	-13	3
CARNARVON AIRPORT	2452S	11340E	7		1018.8	1019.6	15.8	-1.2	10.8	-1.1	2	6	-12	2
LEARMONT AIRPORT	2214S	11405E	6		1017.6	1018.2	17.2	-2.1	9.6	-3.1	1	3	-20	2
PORT HEDLAND AIRPORT	2022S	11837E	11		1015.2	1015.9	19.6	-1.2	6.1	-4.5	0	0	-5	2
ALICE SPRINGS AIRPORT	2348S	13354E	544		953.5	1017.0	14.1	0.0	7.7	-0.1	3	13	1	4
MT ISA AIRPORT	2039S	13929E	342		976.0	1015.6	17.7	-0.5	7.1	-0.9	1	5	-2	4
LONGREACH AIRPORT	2326S	14416E	193		993.8	1016.5	16.2	-0.7	8.6	0.1	3	41	29	5
MACKAY	2107S	14913E	31		1012.1	1015.8	17.9	0.1	15.6	-0.1	4	43	9	4
GLADSTONE	2351S	15116E	76		1007.3	1016.2	18.7	0.0	13.7	0.4	5	111	81	6
GERALDTON AIRPORT	2847S	11442E	34		1016.7	1020.8	13.1	-1.2	11.3	-0.8	11	99	31	4
MEEKATHARRA AIRPORT	2636S	11831E	518		959.5	1019.7	12.3	-2.1	7.3	-1.1	1	2	-9	2
GILES	2502S	12818E	599		948.7	1017.7	14.0	-1.2	6.4	-0.8	3	7	-7	3
CHARLEVILLE AIRPORT	2625S	14616E	304		981.5	1017.3	12.8	-0.5	8.0	-0.6	3	29	8	4
MOREE	2928S	14951E	212		991.4	1016.7	11.7	-0.5	9.5	0.1	4	41	3	4
BRISBANE AIRPORT	2726S	15305E	6		1015.5	1016.2	15.8	-0.2	11.0	-0.3	10	65	19	5
PERTH AIRPORT	3156S	11557E	12		1019.1	1020.6	11.7	-1.4	10.6	-0.7	16	119	3	3
KALGOORLIE AIRPORT	3046S	12127E	360		977.3	1019.9	9.9	-1.7	8.3	-0.8	5	22	5	4
ESPERANCE	3349S	12153E	26		1015.2	1018.3	12.6	-0.4	10.1	-0.5	17	105	19	4
FORREST AIRPORT	3050S	12806E	160		998.9	1018.2	11.5	-0.4	8.8	-0.5	2	12	-3	3
CEDUNA AIRPORT	3207S	13342E	17		1015.3	1017.4	11.7	-0.3	9.8	0.0	10	43	6	4
WOOMERA AERODROME	3109S	13648E	167		997.3	1017.3	12.1	-0.3	9.0	-0.1	6	38	22	5
ADELAIDE AIRPORT	3456S	13831E	4		1015.7	1016.2	11.7	0.1	10.2	-0.1	14	85	37	5
MILDURA AIRPORT	3414S	14205E	53		1010.0	1016.4	10.4	-0.8	9.2	0.0	9	57	29	5
COBAR	3129S	14549E	265		985.8	1017.3	11.5	-0.3	8.3	-0.5	5	69	37	5
SYDNEY AIRPORT	3357S	15111E	3		1015.5	1016.0	12.7	-0.2	9.7	0.2	9	388	301	6
WILLIAMTOWN AERODROME	3247S	15149E	11		1014.9	1016.2	11.9	-0.6	10.4	0.1	12	125	40	4
COFFS HARBOUR AIRPORT	3019S	15307E	5		1015.3	1016.0	13.5	-0.3	10.4	0.1	9	33	-56	2
ALBANY AIRPORT	3457S	11748E	69		1009.7	1018.0	11.0	-0.9	10.1	-0.8	17	113	4	4
MT GAMBIER AIRPORT	3744S	14047E	69		1006.8	1015.2	10.1	0.6	9.8	-0.1	16	91	0	3
LAVERTON AERODROME	3751S	14444E	14		1014.7	1016.4	9.7	-0.9	9.1	-0.3	8	42	-12	2
EAST SALE AERODROME	3806S	14708E	8		1015.8	1016.8	9.5	0.0	9.2	-0.3	9	32	-26	1
WAGGA AIRPORT	3509S	14727E	213		991.6	1017.2	9.0	0.2	9.3	0.5	10	47	-8	2
HOBART AIRPORT	4250S	14730E	3		1014.3	1014.7	9.1	0.5	8.7	0.2	6	36	-15	3
AUSTRALIA (ADDITIONAL IS.)														
LORD HOWE ISLAND	3131S	15905E	46		1009.3	1014.8	15.9	0.0	12.4	-1.0	15	158	13	4
NORFOLK ISLAND AIRPORT	2902S	16756E	109		1001.5	1014.4	15.7	-0.1	12.9	-0.9	18	168	49	4
MACQUARIE ISLAND	5429S	15856E	6		1008.7	1009.5	4.1	0.7	6.9	-0.6	16	68	8	4
ISLANDS														
COCOS ISLAND AIRPORT	1211S	09649E	3		1013.1	1013.4	24.9	-0.8	22.8	-2.5	8	27	-123	1
SEP 1986														
SW PACIFIC														
PAPUA NEW GUINEA														
MOMOTE M.O.	0204S	14726E	5		1009.5	1010.1	26.7	-0.8	29.3	-0.4	16	278	51	4

SW PAC-AUSTRALIA

SURFACE CORRECTIONS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	DEPARTURE	MM	TOTAL	MM	% OF AV.
SEP 1986	0°	0°	m	m	mb	mb	°C	°C	mb	mb	mm	mm	mm	mm	mm	hr
SW PACIFIC																
AUSTRALIA																
GOVE AIRPORT	1216S	13649E	54	1006.6	1012.8	25.7		24.1		0	0					
OCT 1986																
SW PACIFIC																
SOLOMON ISLANDS																
HONIARA/HENDERSON	0925S	16003E	9	1009.7	1010.7	27.0	0.5	25.6	-2.0	3	7	0	0		133	
PAPUA NEW GUINEA																
MADANG M.O.	0513S	14548E	12	1009.9	1010.5	27.3	0.6	30.1	2.3	13	271	-11	3	258	128	
PORT MORESBY M.O.	0926S	14713E	47	1004.6	1009.9	27.9	0.6	27.7	1.9	6	44	11	4	114	101	
MOMOTE M.O.	0204S	14726E	5	1009.9	1010.5	27.7	0.3	30.0	-0.1	12	148	-99	2	99		
RABAUL M.O.	0413S	15211E	9	1009.4	1010.4	27.9	0.5	28.3	-1.0	7	88	-30	2	30		
AUSTRALIA																
DARWIN AIRPORT	1224S	13052E	30	1007.5	1010.9	29.3	0.3	28.8	2.8	7	170	90	5	300	102	
GOVE AIRPORT	1216S	13649E	54	1005.4	1011.5	27.4		27.1		4	81					
THURSDAY ISLAND	1035S	14213E	61	1004.8	1011.7	27.7	0.7	26.6	1.4	0	1	-10	2			
BROOME AIRPORT	1757S	12213E	9	1010.6	1011.6	26.5	-0.9	20.9	1.6	0	0	-2	3			
HALLS CREEK AIRPORT	1813S	12739E	424	962.2	1008.8	30.2	0.7	10.9	-0.9	1	1	-14	2			
TENNANT CREEK AIRPORT	1938S	13410E	376	968.8	1010.6	28.6	0.9	14.5	4.9	7	49	24	5		92	
CAIRNS AIRPORT	1653S	14545E	7	1013.1	1013.9	26.3	1.5	24.7	3.5	3	41	1	4			
TOWNSVILLE AIRPORT	1915S	14645E	6	1013.5	1014.2	26.5	1.6	23.7	4.9	4	26	-1	4		91	
WILLIS ISLAND	1618S	14959E	9	1012.7	1013.7	27.1	1.0	26.3	2.5	1	13	-11	3			
CARNARVON AIRPORT	2452S	11340E	7	1014.1	1014.9	19.9	-1.0	11.4	-1.7	2	8	2	4			
LEARMONTH AIRPORT	2214S	11405E	6	1012.5	1013.1	22.8	-0.7	10.7	-1.5	1	2	-2	4			
MT ISA AIRPORT	2039S	13929E	342	973.6	1012.0	25.7	0.1	10.7	0.1	8	91	73	6		82	
LONGREACH AIRPORT	2326S	14416E	193	990.5	1012.5	25.1	0.0	9.1	-2.0	4	37	15	5			
MACKAY	2107S	14913E	31	1010.8	1014.4	24.5	1.3	23.4	3.3	7	67	25	5			
GLADSTONE	2351S	15116E	76	1006.2	1015.0	24.1	0.8	21.7	3.4	10	120	48	5			
GERALDTON AIRPORT	2847S	11442E	34	1012.1	1016.1	15.7	-2.1	10.9	-1.1	5	34	14	4			
MEEKATHARRA AIRPORT	2636S	11831E	518	954.5	1013.0	19.6	-2.2	7.4	-0.9	2	5	0	4			
GILES	2502S	12818E	599	944.2	1010.8	23.0	-0.8	7.3	-0.6	4	6	-9	4	350	107	
CHARLEVILLE AIRPORT	2625S	14616E	304	978.7	1013.3	21.1	-0.8	9.2	-1.7	3	26	-13	3			
MOREE	2928S	14951E	212	989.1	1013.6	17.8	-1.8	11.9	-0.7	4	43	-7	3			
BRISBANE AIRPORT	2726S	15305E	6	1013.6	1014.3	21.3	0.6	15.0	-0.3	9	181	82	5		100	
PERTH AIRPORT	3156S	11557E	12	1015.1	1016.5	14.7	-1.7	10.9	-0.8	7	41	-12	2		104	
KALGOORLIE AIRPORT	3046S	12127E	360	972.5	1014.0	16.2	-1.9	8.1	-1.3	4	32	19	5			
ESPERANCE	3349S	12153E	26	1012.0	1015.1	14.7	-0.8	10.4	-1.3	9	56	5	4			
FORREST AIRPORT	3050S	12806E	160	995.0	1013.8	15.8	-1.5	8.4	-1.2	4	33	15	5			
WOOMERA AERODROME	3109S	13648E	167	994.0	1013.5	17.1	-1.9	8.1	-1.5	7	44	28	5	283	95	
ADELAIDE AIRPORT	3456S	13831E	4	1012.1	1012.6	14.3	-1.4	10.2	-0.8	11	51	9	4		111	
MILDURA AIRPORT	3414S	14205E	53	1006.3	1012.5	15.0	-1.9	10.1	-0.7	9	48	14	4			
COBAR	3129S	14549E	265	982.7	1013.4	16.6	-2.5	9.0	-1.4	6	44	9	4			
WILLIAMTOWN AERODROME	3247S	15149E	11	1011.4	1012.7	17.2	-0.4	12.7	-1.1	7	48	-30	2	267	118	
COFFS HARBOUR AIRPORT	3019S	15307E	5	1012.7	1013.4	19.0	0.5	12.0	-2.4	7	100	3	3		114	
ALBANY AIRPORT	3457S	11748E	69	1006.7	1014.9	12.7	-1.2	11.4	-0.6	11	69	-19	3			
MT GAMBIER AIRPORT	3744S	14047E	69	1002.3	1010.5	12.1	-0.2	10.7	-0.3	17	101	42	5		96	
LAVERTON AERODROME	3751S	14444E	14	1009.1	1010.8	12.3	-1.7	10.3	-0.8	14	64	-1	3		100	
EAST SALE AERODROME	3806S	14708E	8	1009.4	1010.4	11.7	-1.8	10.5	-1.4	11	72	10	4		106	
WAGGA AIRPORT	3509S	14727E	213	987.5	1012.5	12.3	-2.2	10.9	-0.7	12	105	39	5			
CANBERRA AIRPORT	3518S	14911E	577	944.9	1011.4	11.1	-1.4	9.3	-0.6	10	73	-3	3	241	98	
HOBART AIRPORT	4250S	14730E	3	1005.5	1005.9	11.5	-0.6	9.6	0.1	10	59	6	4		90	
AUSTRALIA (ADDITIONAL IS.)																
NORFOLK ISLAND AIRPORT	2902S	16756E	109	1004.4	1017.2	17.9	0.5	16.2	1.2	13	137	48	5		88	
MACQUARIE ISLAND	5429S	15856E	6	1000.7	1001.4	5.1	1.4	7.6	0.2	13	49	-20	2		84	
ISLANDS																
COCOS ISLAND AIRPORT	1211S	09649E	3	1013.5	1013.8	25.5	-0.7	23.4	-1.0	2	18	-61	2			

SW PAC-SOLOMON ISLANDS

SURFACE CORRECTIONS

STATION	LATITUDE	LONGITUDE	ELEVATION	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
				MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	DEPARTURE	QUINTILE	TOTAL	% OF AV.
NOV 1986	0°	0°	0'	0	0	0	0	0	0	0	0	0	0	0
SW PACIFIC														
SOLOMON ISLANDS														
HONIARA/HENDERSON	0925S	16003E	9	1006.2	1007.2	27.1	0.5	27.1	-0.9	6	242	5		
PAPUA NEW GUINEA														
MADANG M.O.	0513S	14548E	12	1007.5	1008.1	27.1	0.3	29.7	-1.4	17	270	-97	2	153
PORT MORESBY M.O.	0926S	14713E	47	1003.0	1008.3	28.4	-0.9	24.3	-2.0	0	1	-67	1	110
MOMOTE M.O.	0204S	14726E	5	1007.9	1008.5	27.1	-0.1	30.3	0.0	23	443	197	6	
RABAUL M.O.	0413S	15211E	9	1007.1	1008.1	27.2	0.0	29.1	-0.9	17	154	-28	3	
AUSTRALIA														
DARWIN AIRPORT	1224S	13052E	30	1005.9	1009.3	29.5	0.2	29.3	1.9	8	103	-33	2	261
GOVE AIRPORT	1216S	13649E	54	1003.7	1009.8	27.9	26.4		1	4				
THURSDAY ISLAND	1035S	14213E	61	1002.9	1009.8	28.5	0.3	26.1	-0.7	0	T	-37	1	
BROOME AIRPORT	1757S	12213E	9	1007.7	1008.7	29.1	-0.1	24.4	1.1	1	33	25	5	
HALLS CREEK AIRPORT	1813S	12739E	424	960.5	1006.8	32.2	1.2	9.3	-4.8	1	2	-28	1	
TENNANT CREEK AIRPORT	1938S	13410E	376	968.0	1009.6	30.3	0.6	9.4	-3.2	1	2	-35	0	114
CAIRNS AIRPORT	1653S	14545E	7	1010.6	1011.4	26.0	-0.3	23.8	0.6	8	62	-20	3	
TOWNSVILLE AIRPORT	1915S	14645E	6	1011.3	1012.0	26.9	0.2	19.7	-2.0	5	26	-15	2	115
WILLIS ISLAND	1618S	14959E	9	1009.8	1010.8	27.3	-0.1	24.1	-2.1	0	2	-36	1	
CARNARVON AIRPORT	2452S	11340E	7	1012.6	1013.4	22.9	0.2	15.9	0.4	0	0	-3	4	
LEARMONTH AIRPORT	2214S	11405E	6	1011.2	1011.8	26.2	0.0	13.6	-1.2	0	0	-6	3	
PORT HEDLAND AIRPORT	2022S	11837E	11	1008.1	1008.8	29.5	0.9	12.6	-2.4	0	T	-2	4	
ALICE SPRINGS AIRPORT	2348S	13354E	544	950.5	1011.2	23.9	-1.8	8.9	-1.0	4	78	52	5	337
MT ISA AIRPORT	2039S	13929E	342	971.7	1009.6	28.5	-0.5	9.7	-1.8	3	26	10	5	108
LONGREACH AIRPORT	2326S	14416E	193	987.9	1009.6	27.8	0.0	11.7	-0.5	2	25	11	4	
MACKAY	2107S	14913E	31	1008.9	1012.5	25.0	-0.2	21.0	-1.6	3	20	-54	1	
GLADSTONE	2351S	15116E	76	1004.7	1013.4	24.5	-0.6	18.5	-2.5	6	32	-40	1	
GERALDTON AIRPORT	2847S	11442E	34	1009.8	1013.8	20.8	0.6	12.1	-1.0	1		-7	2	
MEEKATHARRA AIRPORT	2636S	11831E	518	953.2	1010.6	26.3	0.5	8.2	-0.9	0	0	-10	3	
GILES	2502S	12818E	599	944.3	1010.1	27.9	0.7	7.2	-2.4	3	11	-10	3	319
CHARLEVILLE AIRPORT	2625S	14616E	304	977.7	1011.9	24.3	-0.8	10.5	-1.0	5	77	44	5	
MOREE	2928S	14951E	212	988.5	1012.7	22.2	-0.4	12.9	-0.7	7	97	47	5	
BRISBANE AIRPORT	2726S	15305E	6	1013.2	1013.9	21.9	-1.0	16.5	-1.4	8	133	37	4	103
PERTH AIRPORT	3156S	11557E	12	1013.5	1014.9	19.6	0.6	12.0	-0.5	4	20	0	4	105
KALGOORLIE AIRPORT	3046S	12127E	360	972.3	1013.3	21.7	0.1	8.4	-1.9	3	12	-4	3	
ESPERANCE	3349S	12153E	26	1013.0	1016.1	18.2	0.5	11.2	-1.8	5	21	-19	1	
FORREST AIRPORT	3050S	12806E	160	995.4	1014.0	20.7	0.6	9.0	-1.5	3	11	-3	3	
CEDUNA AIRPORT	3207S	13342E	17	1013.9	1015.9	19.5	0.6	9.1	-2.6	5	9	-12	2	276
WOOMERA AERODROME	3109S	13648E	167	995.7	1015.0	22.3	0.2	8.7	-2.1	4	11	-7	3	311
ADELAIDE AIRPORT	3456S	13831E	4	1016.5	1017.0	17.5	-0.5	9.6	-2.0	1	15	-14	2	115
MILDURA AIRPORT	3414S	14205E	53	1010.0	1016.2	19.0	-0.8	10.3	-0.9	4	16	-10	3	
COBAR	3129S	14549E	265	983.1	1013.4	21.9	-0.6	10.0	-0.6	5	25	-6	4	
SYDNEY AIRPORT	3357S	15111E	3	1014.3	1014.8	18.1	-1.7	14.0	-0.6	14	125	40	5	96
WILLIAMTOWN AERODROME	3247S	15149E	11	1013.6	1014.9	18.5	-1.3	15.3	-0.2	10	114	47	4	217
COFFS HARBOUR AIRPORT	3019S	15307E	5	1014.2	1014.9	19.7	-0.7	15.7	-1.0	11	204	86	5	93
ALBANY AIRPORT	3457S	11748E	69	1008.1	1016.3	15.3	-0.7	12.8	0.0	7	26	-20	1	
MT GAMBIER AIRPORT	3744S	14047E	69	1008.9	1017.1	14.0	0.1	10.6	-1.0	5	16	-33	1	113
LAVERTON AERODROME	3751S	14444E	14	1015.3	1017.0	15.1	-0.6	11.4	-0.7	6	30	-22	2	123
EAST SALE AERODROME	3806S	14708E	8	1015.8	1016.8	14.6	-0.7	11.9	-1.0	7	71	6	4	109
WAGGA AIRPORT	3509S	14727E	213	989.7	1014.4	16.7	-1.1	12.2	-0.2	7	70	27	5	
CANBERRA AIRPORT	3518S	14911E	577	947.9	1013.9	14.5	-0.7	10.9	0.0	8	96	36	5	222
HOBART AIRPORT	4250S	14730E	3	1013.3	1013.7	14.0	0.5	9.9	-0.7	5	19	-35	1	129
AUSTRALIA (ADDITIONAL IS.)														
LORD HOWE ISLAND	3131S	15905E	46	1009.3	1014.7	19.5	0.0	15.8	-1.6	7	99	-14	3	
NORFOLK ISLAND AIRPORT	2902S	16756E	109	1002.1	1014.8	19.1	0.1	16.8	-0.2	9	112	40	5	85
DEC 1986														
SW PACIFIC														
PAPUA NEW GUINEA														
MADANG M.O.	0513S	14548E	12	1008.3	1008.9	27.1	0.4	30.2	0.6	17	400	-7	3	170
PORT MORESBY M.O.	0926S	14713E	47	1003.7	1009.0	28.1	0.4	25.5	-1.3	3	46	-98	1	111

SW PAC-PAPUA N GUINEA

SURFACE CORRECTIONS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DEPARTURE	MM	TOTAL	% OF AV.
DEC 1986	0°	0°	3		mb	mb	°C	°C	mb	mb	mm	mm	mm	%
SW PACIFIC														
PAPUA NEW GUINEA														
MOMOTE M.O.	0204S	14726E	5	1008.4	1009.0	27.3	0.2	30.5	0.1	19	334	55	4	
RABAUL M.O.	0413S	15211E	9	1007.7	1008.7	26.8	-0.2	29.8	-0.3	22	272	34	4	
AUSTRALIA														
DARWIN AIRPORT	1224S	13052E	30	1006.3	1009.7	30.0	1.1	30.2	2.9	9	115	-122	1	276
GOVE AIRPORT	1216S	13649E	54	1003.7	1009.8	29.2		29.1		3	56			127
THURSDAY ISLAND	1035S	14213E	61	1003.4	1010.3	29.3	1.1	28.6	1.6	5	28	-189	1	
BROOME AIRPORT	1757S	12213E	9	1007.9	1008.9	30.3	0.0	27.9	2.1	0	0	-40	1	
HALLS CREEK AIRPORT	1813S	12739E	424	960.6	1006.8	34.1	2.7	14.3	-3.3	3	17	-48	1	
TENNANT CREEK AIRPORT	1938S	13410E	376	967.8	1009.1	32.2	1.4	9.9	-5.4	5	31	-38	2	108
CAIRNS AIRPORT	1653S	14545E	7	1010.4	1011.2	27.6	0.6	27.1	3.4	6	79	-91	3	
TOWNSVILLE AIRPORT	1915S	14645E	6	1011.1	1011.8	28.5	1.0	25.5	2.5	5	25	-116	1	121
WILLIS ISLAND	1618S	14959E	9	1010.1	1011.1	27.9	-0.1	24.9	-2.9	0	0	-92	0	
CARNARVON AIRPORT	2452S	11340E	7	1012.0	1012.8	24.4	-0.4	16.8	-0.5	0	0	-1	3	
LEARMONTH AIRPORT	2214S	11405E	6	1009.9	1010.5	29.1	-0.3	13.9		0	0			
PORT HEDLAND AIRPORT	2022S	11837E	11	1007.4	1008.4	30.2	0.0	17.3	-2.5	0	T	-16	3	
ALICE SPRINGS AIRPORT	2348S	13354E	544	950.5	1010.8	27.1	-0.5	9.2	-1.3	5	20	-12	4	335
MT ISA AIRPORT	2039S	13929E	342	971.4	1009.0	30.6	0.6	11.7	-0.2	6	34	-21	3	105
LONGREACH AIRPORT	2326S	14416E	193	988.1	1009.7	29.3	0.2	13.1	-2.7	6	90	-23	4	
MACKAY	2107S	14913E	31	1008.7	1012.2	27.3	1.2	25.3	2.2	5	65	-109	2	
GLADSTONE	2351S	15116E	76	1004.6	1013.3	26.3	0.2	23.2	0.8	6	89	-51	2	
GERALDTON AIRPORT	2847S	11442E	34	1010.2	1014.1	21.5	-1.9	14.0	-0.2	0	T	-6	2	
MEEKATHARRA AIRPORT	2636S	11831E	518	953.0	1009.9	29.4	0.2	7.2	-2.8	0	0	-9	1	
GILES	2502S	12818E	599	944.3	1009.8	30.5	1.8	7.3	-3.3	4	23	-5	3	342
CHARLEVILLE AIRPORT	2625S	14616E	304	977.3	1011.3	26.2	-1.0	9.5	-4.4	5	40	-16	3	
MOREE	2928S	14951E	212	988.9	1013.0	24.0	-1.5	13.1	-2.9	4	28	-31	3	
BRISBANE AIRPORT	2726S	15305E	6	1013.2	1013.9	23.9	-0.5	20.4	0.9	9	99	-32	2	105
PERTH AIRPORT	3156S	11557E	12	1014.2	1015.6	21.4	-0.9	12.2	-1.1	0	T	-12	1	104
KALGOORLIE AIRPORT	3046S	12127E	360	972.7	1013.3	23.4	-0.8	10.1	-0.9	3	23	11	5	
ESPERANCE	3349S	12153E	26	1014.8	1017.9	17.7	-2.0	13.1	-0.7	2	9	-9	3	
FORREST AIRPORT	3050S	12806E	160	995.8	1014.3	22.1	0.0	11.5	-0.1	2	22	11	5	
CEDUNA AIRPORT	3207S	13342E	17	1013.7	1015.7	20.5	0.0	10.9	-1.6	3	11	-6	3	312
WOOMERA AERODROME	3109S	13648E	167	995.0	1014.1	24.0	-0.6	10.8	-0.4	3	25	15	5	324
ADELAIDE AIRPORT	3456S	13831E	4	1014.9	1015.4	18.8	-1.2	11.6	-0.6	4	28	3	3	91
MILDURA AIRPORT	3414S	14205E	53	1008.3	1014.5	20.7	-1.6	11.6	-0.2	5	35	15	5	
COBAR	3129S	14549E	265	983.3	1013.3	23.9	-1.6	9.5	-2.1	1	17	-20	3	
SYDNEY AIRPORT	3357S	15111E	3	1013.9	1014.4	21.0	-1.1	14.9	-1.5	4	24	-54	2	119
WILLIAMTOWN AERODROME	3247S	15149E	11	1013.3	1014.6	20.9	-0.8	16.4	-0.9	2	14	-78	0	311
COFFS HARBOUR AIRPORT	3019S	15307E	5	1013.9	1014.6	22.1	0.1	17.6	-2.0	7	52	-97	1	114
ALBANY AIRPORT	3457S	11748E	69	1010.3	1018.5	16.3	-1.9	12.3	-1.5	3	9	-18	1	
MT GAMBIER AIRPORT	3744S	14047E	69	1005.9	1014.1	15.5	-0.6	11.9	-0.2	10	109	71	6	83
LAVERTON AERODROME	3751S	14444E	14	1012.6	1014.3	16.5	-1.6	11.8	-0.8	7	38	-10	3	102
EAST SALE AERODROME	3806S	14708E	8	1012.7	1013.7	16.2	-1.1	12.3	-2.2	7	46	-15	3	111
WAGGA AIRPORT	3509S	14727E	213	988.7	1013.1	19.1	-2.3	11.7	-1.4	3	37	-8	3	
CANBERRA AIRPORT	3518S	14911E	577	946.7	1011.9	16.9	-1.4	11.7	-0.3	3	21	-32	2	310
HOBART AIRPORT	4250S	14730E	3	1010.1	1010.5	15.5	0.1	11.5	0.6	5	71	17	4	111
AUSTRALIA ADDITIONAL IS.														
NORFOLK ISLAND AIRPORT	2902S	16756E	109	1002.8	1015.5	19.9	-0.6	17.5	-0.6	8	171	96	5	112
MACQUARIE ISLAND	5429S	15856E	6	1001.0	1001.7	7.4	1.3	8.5	-0.5	13	50	-24	1	100
APR 1987														
S AMERICA														
BRAZIL														
QUIXERAMOBIM	0512S	03918W	211	986.0	1009.8	26.0	-0.6	26.5	0.7	18	236	72	5	

EUROPE – NORWAY

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C		%	°	mb	gpm		°C	°C		%	°	mb	gpm		°C	°C		%	°	mps		
EUROPE - NORWAY JAN MAYEN 7056N 00840W OB 3								EUROPE - NORWAY BJORNOYA 7431N 01901E OB 3								EUROPE - NORWAY BODO 6715N 01424E OB 3										
030	24098	0	-47.8	32.9	0	69	94	3	030	24113	3	-46.6	33.2	5	45	75	2	030	24075	0	-48.4	0	75	286	5	
050	20739	0	-49.0	31.8	0	28	7	1	050	20735	0	-47.9	32.3	3	6	270	0	050	20755	0	-49.7	0	30	303	2	
100	16186	0	-48.6	31.2	0	67	282	4	100	16163	0	-47.3	32.4	1	71	277	4	100	16213	0	-47.9	0	33	249	4	
150	13515	0	-47.7	31.1	0	70	279	5	150	13474	0	-46.0	32.9	1	70	284	6	150	13540	0	-47.4	0	41	252	4	
200	11621	0	-49.5	26.2	0	70	284	7	200	11559	0	-46.3	31.4	1	68	291	7	200	11636	0	-47.9	0	35	258	5	
300	8977	0	-49.1	12.2	0	50	288	8	300	8885	0	-48.2	16.4	1	59	298	10	300	8978	0	-49.1	0	24	245	5	
500	5463	0	-25.8	10.3	0	44	294	5	500	5394	0	-28.2	11.9	1	61	298	8	500	5461	0	-25.3	7.3	0	19	267	3
700	2948	0	-10.2	12.3	0	43	285	4	700	2905	0	-13.5	11.0	1	63	304	5	700	2941	0	-10.5	7.5	0	19	288	2
850	1430	0	-2.7	10.4	0	31	285	3	850	1407	0	-6.6	9.0	2	57	308	4	850	1424	0	-3.2	5.2	0	25	240	2
1016	*	9	0.2	2.1				1014	*	18	-1.1	1.7					1014	*	8	6.2	2.2					
EUROPE - NORWAY ORLAND 6342N 00936E OB 3								EUROPE - NORWAY OSLO/GARDERMOEN 6012N 01106E OB 3								EUROPE - NORWAY STAVANGER/SOLA 5852N 00540E OB 3										
030	24041	4	-49.0		4	41	250	3	030	23984	0	-51.1					030	24004	0	-51.5		1	64	70	4	
050	20718	2	-51.0		2	43	250	2	050	20674	0	-52.1					050	20703	0	-52.4		1	42	90	2	
100	16203	1	-49.5		1	18	255	1	100	16176	0	-50.5					100	16208	0	-51.0		0	40	310	2	
150	13540	0	-48.3		0	14	281	1	150	13529	0	-49.5					150	13564	0	-50.1		0	47	310	4	
200	11644	0	-48.3		0	24	290	3	200	11644	0	-49.9					200	11678	0	-50.3		0	57	300	7	
300	8992	0	-48.3		0	6	345	1	300	8979	0	-48.8					300	9025	0	-47.7		0	47	285	9	
500	5486	0	-25.0	7.2	0	16	292	2	500	5483	0	-24.9	10.0	0	26	250	3	500	5499	0	-25.2	8.7	0	48	315	6
700	2860	0	-8.4	5.7	0	31	295	3	700	2956	0	-9.1	8.0	0	24	337	2	700	2966	0	-8.4	5.9	0	42	315	4
850	1411	0	-1.8	5.7	0	13	276	2	850	1430	0	0.4	5.5	0	36	36	3	850	1412	0	0.3	6.3	0	27	330	2
1014	*	10	7.5	4.0				989	*	201	8.4	6.0					1010	*	33	7.8	2.9					
EUROPE - SWEDEN SUNDSVALL-HARNOSAND FLYGPLAT 6232N 01727E OB 3								EUROPE - SWEDEN STOCKHOLM/BROMMA 5921N 01757E OB 3								EUROPE - SWEDEN GOTEBORG/LANDETTER 5740N 01218E OB 3										
030								030	24017	5	-51.3	31.0					030	23986	4	-51.9	32.9	9	52	92	3	
050	20738	13	-51.3					050	20704	4	-52.1	30.9					050	20675	2	-52.5	31.7	3	36	119	2	
100	16164							100	16192		-51.1						100									
150	13532	2	-48.9	31.0				150	13546	1	-49.9	29.0	4	44	228	3	150	13538	2	-50.5	29.6	2	35	266	3	
200	11643	1	-49.3	26.8	9	47	240	5	200	11662	1	-50.6	23.7	2	47	234	5	200	11656	1	-51.0	24.7	2	40	275	2
300	9000	1	-49.1	12.1				300	9020	1	-49.2	10.9	1	50	231	9	300	9022	1	-48.7	12.3	3	40	262	8	
500	5475	1	-25.3	8.5	4	27	247	4	500	5501	1	-23.9	9.5	1	38	238	6	500	5494	1	-24.1	10.6	1	28	266	4
700	2953	1	-9.5	8.8	2	9	345	1	700	2958	1	-7.9	9.2	1	32	240	3	700	2953	2	-7.9	8.3	2	21	266	2
850	1431	0	11.6	5.3	2	22	11	2	850	1427	0	10.2	4.8	1	3	211	0	850	1420	0	10.4	4.1	1	14	242	1
1003	*	6	6.2	5.6				1009	*	22	8.9	6.3					1002	*	155							
EUROPE - FINLAND SODANKYLA 6722N 02639E OB 3								EUROPE - FINLAND JYVASKYLA 6224N 02541E OB 3								EUROPE - FINLAND JOKIOINEN 6049N 02330E OB 3										
030	24047	0	-49.2		0	66	102	3	030	24004	0	-50.9					030	24005	0	-51.1		0	77	97	5	
050	20708	0	-50.4		0	23	168	1	050	20689	0	-51.7					050	20689	0	-52.1		0	53	135	2	
100	16180	0	-49.5		0	51	248	3	100	16191	0	-51.0					100	16196	0	-51.0		0	50	203	3	
150	13518	0	-48.1		0	60	249	6	150	13545	0	-49.5					150	13551	0	-50.5		0	58	224	7	
200	11621	0	-48.3		0	55	246	7	200	11661	0	-50.1					200	11669	0	-50.5		0	58	221	5	
300	8973	0	-49.3	9.4	0	44	247	10	300	9026	0	-48.6	10.0	0	42	223	10	300	9034	0	-48.3	9.6	0	41	219	6
500	5460	0	-25.5	8.1	0	39	247	6	500	5496	0	-23.8	8.4	0	39	219	6	500	5490	0	-23.6	7.8	0	41	221	6
700	2942	0	-10.3	7.5	0	29	241	3	700	2958	0	-8.0	8.9	0	31	208	4	700	2957	0	-7.8	6.5	0	28	223	3
850	1426	0	-3.0	4.6	0	12	230	1	850	1429	0	-1.0	4.5	0	19	190	2	850	1425	0	-0.1	4.7	0	17	195	2
* 179		4.5	6.2					996	*	145	7.2	7.2					1000	*	103	7.7	5.7					
EUROPE - UNITED KINGDOM LERWICK 6008N 00111W OB 3								EUROPE - UNITED KINGDOM STORNOWAY 5813N 00619W OB 3								EUROPE - UNITED KINGDOM AUGHTON 5333N 00255W OB 3										
030	23960	0	-51.8		0	77	93	4	030	23933	1	-52.1					030	23936	0	-52.5		0	41	76	2	
050	20657	0	-52.7		0	49	67	2	050	20653	0	-53.2					050	20653	0	-54.4		0	27	34	1	
100	16174	0	-51.7		0	52	320	4	100	16183	0	-52.9					100	16203	0	-53.8		0	60	317	5	
150	13541	0	-51.0		0	62	318	7	150	13566	0	-52.6					150	13595	0	-53.1		0	63	317	8	
200	11671	0	-51.9		0	67	320	10	200	11715	0	-54.6					200	11750	0	-55.6		0	60	320	13	
300	9043	0	-48.3		0	68	322	18	300	9103	0	-47.9					300	9145	0	-47.5		0	54	327	14	
500	5514	0	-24.4	10.1	0	61	324	10	500	5556	0	-22.9	10.0	0	54	315	10	500	5583	0	-21.8	10.2	0	49	328	10
700	2980	0	-8.4	10.9	0	53	326	6	700	3008	0	-6.8	9.6	0	55	320	7	700	3026	0	-6.1	10.0	0	46	325	7
850	1452	0	-0.9	6.1	0	51	337	5	850	1471	0	0.2	5.3	0	34	325	4	850	1484	0	1.1	5.4	0	47	317	5
1007	*	84	6.8	3.1				1017	*	13	8.1	2.9					1013	*	56	9.9	4.3					

EUROPE-U KINGDOM

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm		°C	°C	%		°	mps	mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps		
EUROPE - UNITED KINGDOM CRAWLEY 5105N 00013W OB 3																										
030	23937	2	-52.5		1	10	111	1	030	24000	21	-52.1		9	57	90	2	030	24047	0	-50.4		1	60	83	3
050	20666	0	-53.9		0	26	5	1	050	20687	9	-54.6		6	38	360	2	050	20724	0	-51.2		0	16	13	1
100	16209	0	-54.2		0	69	305	5	100	16251	1	-54.6		1	63	307	5	100	16217	0	-51.0		0	56	263	4
150	13605	0	-53.3		0	68	310	8	150	13655	0	-54.8		0	60	307	8	150	13580	0	-50.9		0	69	267	8
200	11761	0	-55.2		0	72	315	11	200	11833	0	-58.0		0	61	315	13	200	11711	0	-52.9		0	65	270	11
300	9150	0	-47.3		0	51	330	13	300	9232	0	-46.4	11.6	0	46	320	12	300	9088	0	-47.8		0	60	273	12
500	5585	0	-21.9	11.6	0	49	331	9	500	5644	0	-19.5	13.6	0	46	322	9	500								
700	3029	0	-6.0	12.1	0	46	330	6	700	3066	0	-4.0	14.5	0	45	328	7	700	2989	0	-23.0	10.8	0	49	258	8
850	1485	0	1.9	6.6	0	39	345	4	850	1515	0	2.7	9.6	0	41	333	5	850	1457	0	-0.8	7.4	0	37	203	4
1001	* 144		10.1	4.3					1002	*	14	10.9	3.7					1013	*	54	6.1	2.8				
EUROPE - DENMARK EGEDESMINDE 6842N 05245W OB 3																										
030	24063	1	-47.7		1	78	136	4	030	24043	1	-50.5		1	61	129	3	030	24122	0	-46.8		0	44	121	2
050	20685	0	-47.4		0	85	178	5	050	20716	1	-50.0		1	67	186	3	050	20740	0	-47.5		0	39	246	1
100	16097	0	-46.6		0	87	193	8	100	16187	1	-49.4		1	83	212	7	100	16153	0	-47.0		0	76	253	4
150	13407	0	-45.2		0	75	196	11	150	13523	0	-48.4		0	82	219	12	150	13462	0	-46.2		0	79	251	7
200	11476	0	-45.2		0	80	196	13	200	11631	0	-49.2		0	79	217	16	200	11549	0	-46.8		0	77	252	8
300	8800	0	-48.3		0	80	191	19	300	8974	0	-46.6		0	75	213	24	300	8886	0	-49.0		0	67	253	12
500	5316	0	-29.3	6.8	0	82	180	14	500	5434	0	-24.7	7.7	0	73	209	16	500	5394	0	-28.2	12.3	0	69	249	9
700	2844	0	-15.2	7.2	0	88	172	9	700	2913	0	-10.9	5.6	0	63	193	9	700	2905	0	-13.3	12.9	0	66	252	5
850	1353	0	-7.2	5.9	0	79	170	5	850	1400	0	-3.3	5.1	0	59	140	4	850	1410	0	-7.9	11.0	0	62	269	4
1004	* 40		-2.1	2.8					1011	*	4	5.0	4.9					1016	*	14	-6.9	4.5				
EUROPE - DENMARK SCORESBYSUND 7029N 02158W OB 3																										
030	24089	0	-48.5		0	64	95	2	030	24068	0	-49.5		0	67	117	3	030	24037	1	-50.6		2	77	79	4
050	20736	0	-49.2		0	20	261	1	050	20731	0	-49.9		0	62	182	3	050	20719	0	-51.6		0	48	47	2
100	16185	0	-48.7		0	72	252	4	100	16190	0	-49.4		0	78	223	6	100	16212	0	-51.3		0	56	319	4
150	13516	0	-48.1		0	74	256	7	150	13527	0	-48.4		0	78	222	10	150	13571	0	-50.5		0	68	312	8
200	11623	0	-49.8		0	76	257	10	200	11634	0	-49.2		0	77	225	14	200	11700	0	-52.3		0	68	315	11
300	8983	0	-48.6		0	67	259	13	300	8993	0	-48.0		0	70	218	22	300	9072	0	-47.8		0	69	314	16
500	5468	0	-25.9	10.5	0	65	252	9	500	5459	0	-24.9	8.9	0	65	209	13	500	5528	0	-23.4	12.4	0	64	312	11
700	2953	0	-10.5	10.7	0	56	251	5	700	2939	0	-10.9	7.1	0	55	186	6	700	2987	0	-7.8	13.3	0	48	320	6
850	1438	0	-3.7	10.9	0	45	275	3	850	1428	0	-4.9	4.4	0	53	106	5	850	1457	0	-1.1	6.4	0	33	339	4
1008	* 66		-3.3	2.4					1011	*	52	0.5	1.9					1011	*	55	7.0	4.4				
EUROPE - DENMARK KOBENHAVN/JAEGERSBORG 5546N 01232E OB 3																										
030	23996	0	-51.6		0	56	105	3	030	24009	0	-51.3		1	21	104	1	030	23921	3	-52.2		3	30	133	2
050	20691	0	-52.8		0	45	129	2	050	20710	0	-53.3		0	10	15	1	050	20635	1	-54.4		1	22	252	1
100	16203	0	-51.7		0	38	229	2	100	16237	0	-52.2		0	61	297	4	100	16185	0	-53.7		0	71	289	5
150	13564	0	-50.5		0	40	246	3	150	13610	0	-51.3		0	66	303	7	150	13575	0	-52.6		0	65	296	8
200	11689	0	-51.3		0	39	259	5	200	11746	0	-53.5		0	58	309	9	200	11722	0	-53.9		0	52	304	9
300	9053	0	-47.6	11.5	0	39	249	8	300	9121	0	-47.2		0	40	314	9	300	9100	0	-47.7		0	34	304	8
500	5510	0	-23.4	10.5	0	33	250	5	500	5560	0	-22.6	8.7	0	43	315	7	500	5553	0	-23.0	4.7	0	42	316	7
700	2966	0	-7.2	10.7	0	31	263	3	700	3007	0	-6.3	10.4	0	48	315	6	700	3003	0	-6.8	3.9	0	48	314	5
850	1429	0	0.8	6.2	0	30	282	2	850	1466	0	1.6	5.4	0	50	316	5	850	1465	0	0.8	1.4	0	43	305	4
1008	* 40		10.0	5.5					1016	*	4	8.3	2.3					1005	*	104	10.7	3.7				
EUROPE - SWITZERLAND LIECHTENSTEIN PAYERNE 4649N 00657E OB 3																										
030	23913	0	-53.3		1	23	208	1	030	24009	0	-53.3		1	21	104	1	030	23911	8	-53.1		3	30	133	2
050	20646	0	-55.8		1	57	265	3	050	20710	0	-54.6		6	38	360	2	050	20658	4	-55.3		4	80	297	6
100	16227	0	-54.6		0	85	276	7	100	16242	10	-55.6		9	68	303	5	100	16224	3	-54.5		4	73	299	8
150	13628	0	-53.4		0	77	279	9	150	13659	5	-55.1		6	65	302	8	1								

EUROPE-FRANCE

UPPER AIR

MAY 1987

EUROPE-GERMANY, FED REP

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps
EUROPE - GERMANY, FEDERAL REPUBLIC STUTTGART/SCHNARRENBERG 4850N 00912E 0B 3																												
030	23945	0	-53.1		0	18	191	1	030	23958	0	-52.5		4	-28	175	2	030	23991	2	-51.6		2	34	210	2		
050	20674	0	-54.6		0	47	250	2	050	20679	0	-54.8		4	-54	223	2	050	20701	1	-54.3		1	59	224	3		
100	16226	0	-53.4		0	79	267	6	100	15234	0	-53.6		4	-79	262	6	100	16247	0	-53.2		0	76	253	6		
150	13614	0	-52.5		0	72	281	8	150	13623	0	-52.5		4	-72	275	8	150	13631	0	-52.3		0	73	262	7		
200	11760	0	-53.9	8.2	0	57	285	8	200	11769	0	-54.3	10.2	4	-61	280	9	200	11779	0	-55.2		0	59	262	9		
300	9143	0	-47.6	6.8	0	29	277	6	300	9154	0	-47.5	8.9	4	-37	267	8	300	9176	0	-47.3		0	44	245	8		
500	5578	0	-21.5	8.7	0	33	276	5	500	5585	0	-21.2	9.6	4	-38	281	5	500	5595	0	-20.0	10.3	0	36	257	5		
700	3017	0	-5.8	6.8	0	42	277	4	700	3020	0	-5.8	4.6	4	-61	279	6	700	3020	0	-4.5	7.3	0	46	299	4		
850	1472	0	2.6	3.0	0	47	282	4	850	1471	0	3.5	3.4	4	-64	285	4	850	1466	0	4.6	4.7	0	57	311	5		
978	* 315		10.7	5.0					958	* 489		10.0	4.2					990	* 200		13.5	6.4						
EUROPE - CZECHOSLOVAKIA PRAHA-LIBUS 5000N 01427E 0B 3																												
EUROPE - CZECHOSLOVAKIA POPRAD/GANOVCE 4902N 02019E 0B 3																												
030	24040	18	-51.4		9	25	2	1	030	24003	3	-53.4		5	36	192	1	030	24059	0	-54.2	4.3	0	25	252	1		
050	20724	7	-53.9		9	36	314	1	050	20726	0	-54.7		0	66	207	2	050	20748	5	-52.2		5	75	237	3		
100	16249	0	-52.7	8.2	1	73	283	3	100	16274	0	-53.0		0	78	236	3	100	16230	0	-51.4		0	69	242	3		
150	13627	0	-51.7	7.1	0	69	283	4	150	13657	0	-52.5	6.5	0	68	243	4	150	13585	0	-52.1		0	52	246	4		
200	11766	0	-53.5	5.9	0	56	278	4	200	11808	0	-55.8	5.4	0	58	245	4	200	11713	0	-49.3		0	47	245	5		
300	9155	0	-47.9	5.6	0	44	294	5	300	9199	0	-46.0	5.7	0	43	244	4	300	9095	0	-22.6	7.7	0	42	250	3		
500	5584	0	-20.6	7.0	0	42	283	3	500	5596	0	-18.6	7.4	0	34	234	2	500	5549	0	-6.4	7.1	0	41	265	2		
700	3014	0	-5.1	4.9	0	46	277	3	700	3011	0	-3.9	4.9	0	27	240	1	700	2993	0	2.5	4.6	0	39	278	2		
850	1461	0	4.4	4.1	0	43	304	2	850	1452	0	5.9	5.1	0	16	277	1	850	1448	0	11.7	6.3						
978	* 304		11.8	6.6					930	* 706		10.2	5.7					1003	* 92									
EUROPE - POLAND LEGIONOWO 5224N 02058E 0B 3																												
EUROPE - POLAND WROCŁAW I 5108N 01659E 0B 1																												
030	24036	4	-52.2		4	30	160	2	030									030	24036	-52.5		9	33	218	2			
050	20749	1	-53.6		1	57	205	3	050									050	20747	-54.5		9	50	227	2			
100	16267	0	-52.4		0	77	230	5	100	16236	10	-53.5		0	60	265	8	100	16286	17	-52.8		9	76	256	6		
150	13636	0	-51.5		0	65	240	6	150	13624	2	-52.4		0	60	275	8	150	13664	14	-51.9		9	70	261	8		
200	11774	0	-53.7		0	58	240	8	200	11773	1	-55.4		8	57	260	8	200	11806	8	-55.1		9	61	262	9		
300	9157	0	-47.4	8.3	0	47	240	6	300	9156	0	-46.7		3	55	245	12	300	9194	5	-46.3	5.3	6	41	258	8		
500	5582	0	-20.5	8.3	0	47	240	6	500	5574	0	-20.5	8.6	0	41	255	7	500	5599	4	-19.5	6.8	5	31	260	4		
700	3005	0	-4.2	7.9	0	35	245	3	700	3004	0	-3.4	5.3	0	40	270	4	700	3014	4	-3.3	4.9	7	29	257	3		
850	1451	0	4.2	4.3	0	25	250	2	850	1452	0	3.6	4.0	0	39	295	4	850	1450	4	6.3	4.6	7	21	291	2		
1000	* 96		12.8	6.9					999	* 116		10.3	3.8					995	* 139		13.9	6.1						
EUROPE - HUNGARY SZEGED 4615N 02006E 0B 3																												
EUROPE - ROMANIA CLUJ-NAPOCA 4647N 02334E 0B 1																												
030	23989	13	-52.2		9	36	219	2	030									030	24021	0	-51.3	31.0	0	20	185	1		
050	20716	7	-54.6		8	71	224	2	050	20740	16	-53.1		9	70	260	8	050	20733	0	-55.6	29.5	0	60	231	3		
100	16274	0	-53.1		0	80	249	3	100	16274	0	-52.8	5.6	0	60	265	8	100	16324	0	-55.2	29.8	0	88	270	11		
150	13656	0	-52.3		0	74	263	4	150	13661	0	-52.5	5.5	0	60	275	8	150	13728	0	-53.9	29.0	0	87	275	15		
200	11802	0	-54.7		0	64	265	5	200	11811	0	-55.6	3.9	0	60	265	9	200	11865	0	-53.7	5.5	0	45	255	8		
300	9196	0	-47.0	6.4	0	41	272	4	300	9134	0	-45.0	4.5	0	70	265	9	300	9235	0	-45.0	5.6	0	40	270	6		
500	5606	0	-19.5	8.0	0	36	254	2	500	5594	0	-18.8	5.8	0	50	265	7	500	5622	0	-18.4	6.8	0	45	250	4		
700	3023	0	-3.2	5.3	0	36	267	2	700	3008	0	-3.3	3.5	0	60	265	5	700	3030	0	-2.5	4.0	0	25	275	2		
850	1456	0	6.5	5.2	2	26	287	1	850	1445	0	6.6	3.3	0	80	235	6	850	1461	0	7.7	5.0	0	15	230	1		
1000	* 83		14.8	6.2					963	* 413		10.9	2.4					1001	* 91		12.1	2.9						
EUROPE - ROMANIA CONSTANTA 44																												

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LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND								
PRESSURE mb	HEIGHT gpm	MISSING DAYS		DEW POINT DEPRESSION °C		MISSING DAYS		STEADINESS %		DIRECTION °		SPEED mps		PRESSURE mb		HEIGHT gpm		MISSING DAYS		DEW POINT DEPRESSION °C		MISSING DAYS		STEADINESS %		DIRECTION °		SPEED mps	
		MEAN °C	°C	MEAN °C	°C	MEAN %	%	MEAN °	°	MEAN mps	mb	MEAN gpm	°C	MEAN °C	°C	MEAN %	%	MEAN °	°	MEAN mps	mb	MEAN gpm	°C	MEAN °C	°C	MEAN %	%	MEAN °	°
EUROPE - ITALY TRAPANI/BIRGI 3755N 01230E OB 2																													
030	24009	0	-51.2	29.2	0	20	137	1	030	24002	1	-51.0	32.2	1	26	200	2	030	24605	2	-41.3		9	75	210	9			
050	20729	0	-56.8	28.3	0	51	255	2	050	20720	1	-56.8	30.7	1	57	274	3	050	21186	2	-46.7		9	86	235	12			
100	16363	0	-57.3	28.2	0	92	277	15	100	16344	0	-56.9	30.7	0	93	278	14	100	16628	0	-48.4		2	89	245	16			
150	13789	0	-55.4	26.4	0	94	278	22	150	13769	0	-55.0	29.5	0	94	279	20	150	13964	0	-48.5		0	74	250	14			
200	11961	0	-56.5	17.0	0	90	279	28	200	11935	0	-56.1	20.0	0	89	280	25	200	12080	0	-50.2		0	86	260	18			
300	9324	0	-43.2	14.4	0	86	278	25	300	9300	0	-43.7	16.1	0	82	279	24	300	9395	0	-40.2		0	91	245	21			
500	5689	0	-16.5	17.1	0	85	279	15	500	5676	0	-17.3	18.8	0	83	282	13	500	5716	0	-14.6	10.2	0	86	235	12			
700	3073	0	0.6	14.2	0	80	283	9	700	3067	0	0.0	15.9	0	78	287	8	700	3086	0	1.4	6.8	0	90	240	9			
850	1494	1	9.3	12.0	2	49	272	4	850	1486	0	9.0	11.5	0	60	304	5	850	1490	0	12.1	10.3	0	67	270	4			
1014	* 14		20.0	9.6					1014	* 18								1014	* 4										
EUROPE - TURKEY ISTANBUL/GOZTEPE 4058N 02905E OB 2																													
030	24049	8	-50.0		9	71	220	5	030	24061	2	-50.9		2	20	290	1	030	24096	9	-49.1		9	83	265	5			
050	20754	2	-55.8		4	75	200	6	050	20777	1	-55.9		1	50	215	3	050	20804	7	-55.2		9	70	280	7			
100	16352	0	-54.8		0	91	245	10	100	16373	1	-54.7		1	87	240	13	100	16388	6	-55.2		7	94	280	16			
150	13752	0	-53.1		0	88	250	14	150	13778	0	-53.3		1	89	250	17	150	13801	2	-53.8		5	90	290	18			
200	11881	0	-53.7		0	88	255	15	200	11927	0	-53.7		0	90	250	18	200	11960	1	-54.8		4	83	280	19			
300	9273	0	-44.5		1	71	245	15	300	9289	0	-45.1		0	81	250	17	300	9326	1	-44.1		1	78	280	18			
500	5665	0	-17.8	31.9	1	92	245	11	500	5676	0	-17.7	12.2	0	85	250	11	500	5695	0	-15.9	16.3	0	80	280	12			
700	3061	0	-5.7	1.4	1	89	230	8	700	3070	0	-0.7	4.6	0	75	240	6	700	3073	0	1.1	15.5	0	56	250	5			
850	1483	0	9.4	2.1	0	88	230	7	850	1482	0	12.6	11.3	0	57	220	4	850	1487	0	10.8	10.8	0	80	220	4			
1009	* 40		19.3	9.5					911	* 894								1009	* 25										
EUROPE - TURKEY ISPARTA 3745N 03033E OB 2																													
030	24908	3	-53.1		3	62	232	5	030	23915	3	-52.9		3	86	250	12	030	24057	3	-51.7		3	82	240	12			
050	20781	0	-57.1		0	60	230	6	050	20683	0	-58.8		0	87	245	13	050	20796	2	-57.6		2	81	240	13			
100	16401	0	-56.8		0	86	255	13	100	16370	0	-59.4		0	86	240	18	100	16436	0	-57.8		0	92	240	19			
150	13822	0	-55.2		0	88	257	15	150	13820	0	-57.5		0	92	240	22	150	13866	0	-55.5		0	92	240	25			
200	11986	0	-55.1		0	88	256	16	200	12007	0	-58.4		0	92	240	23	200	12038	0	-56.2		0	91	240	28			
300	9346	0	-43.5		0	85	261	17	300	9385	0	-45.2		0	88	245	23	300	9396	0	-42.0		0	91	240	28			
500	5715	0	-16.6	5.8	0	92	255	13	500	5737	0	-15.1	10.1	0	86	235	12	500	5738	0	-14.7	10.7	0	88	240	16			
700	3096	0	0.6	6.2	0	71	230	5	700	3099	0	3.3	7.7	0	62	220	5	700	3105	0	2.8	9.4	0	77	240	9			
850	1499	0	14.4	11.7	0	80	190	4	850	1484	0	17.5	12.0	0	40	220	2	850	1502	0	13.4	9.4	0	53	220	4			
901	* 997		20.9	15.2					937	* 677								1009	* 20										
EUROPE - USSR MURMANSK 6858N 03303E OB 1																													
030	24044	3	-48.9		4	40	91	1	030	24059	1	-49.2	10.4	1	55	65	2	030	24115	5	-50.6		5	50	107	2			
050	20701	1	-49.9		1	17	270	1	050	20726	0	-50.9	9.2	0	16	256	1	050	20782	1	-51.5		1	42	159	1			
100	16174	1	-49.1		1	64	261	3	100	16197	0	-50.6	7.8	0	55	239	3	100	16273	0	-50.6		0	64	212	2			
150	13510	1	-47.9		1	64	261	4	150	13553	0	-50.3	6.7	0	74	232	5	150	13627	0	-49.3		0	66	217	3			
200	11612	1	-48.3		1	64	258	5	200	11678	0	-51.7	5.8	0	62	233	6	200	11749	0	-51.3		0	72	219	5			
300	8959	0	-49.0		0	61	252	7	300	9061	0	-48.9	5.3	0	55	233	7	300	9114	0	-46.5		0	57	210	6			
500	5450	0	-26.0	7.1	0	49	258	5	500	5520	0	-23.2	6.5	0	49	227	4	500	5538	0	-21.4	7.4	0	52	212	4			
700	2939	0	-11.0	7.8	0	49	260	3	700	2975	0	-7.6	5.6	0	31	222	2	700	2974	0	-6.2	5.3	0	34	208	2			
850	1425	0	-3.6	5.5	0	43	274	2	850	1440	0	-0.2	5.0	0	18	165	1	850	1433	0	1.5	4.2	1	17	214	1			
1007	* 46		3.7	4.9					985	* 234		7.2	6.0					1004	* 4		9.2	5.7							
EURO																													

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LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C	%	%	°	mps	mb	gpm		°C	°C	%	%	mps	mb	gpm		°C	°C	%	%	°	mps	
EUROPE - USSR KAZAN' 5547N 04911E OB 1																										
030	24013	1	-52.4	9.4	8	31	280	1	030	23960	1	-53.3	10.2	1	41	88	1	030	24023	0	-53.5	16	243	1		
050	20727	0	-54.4	8.6	6	50	265	2	050	20700	1	-54.5	9.6	1	19	225	1	050	20753	0	-54.6	54	222	2		
100	16282	0	-52.8	7.8	2	52	255	3	100	16257	0	-52.5	8.6	1	75	226	3	100	16301	0	-52.6	82	221	3		
150	13654	0	-51.8	7.2	1	56	253	4	150	13634	0	-51.5	7.5	0	82	222	3	150	13679	0	-51.6	67	227	3		
200	11797	0	-54.0	6.3	0	54	253	4	200	11771	0	-53.4	5.9	0	61	227	3	200	11825	0	-54.3	51	238	3		
300	9182	0	-47.2	6.2	0	49	255	4	300	9162	0	-47.9	5.3	0	44	228	3	300	9205	0	-45.9	22	263	2		
500	5615	0	-21.0	7.5	2	58	257	4	500	5591	0	-20.3	7.2	0	56	224	3	500	5603	0	-19.1	9.4	23	235	2	
700	3044	0	-4.2	4.8	2	61	260	4	700	3016	0	-4.1	6.4	0	67	219	3	700	3021	0	-3.2	6.7	23	195	1	
850	1482	0	6.2	5.6	1	57	252	3	850	1458	0	4.5	5.7	1	46	215	2	850	1456	0	6.3	4.7	22	191	1	
1000	* 64	15.5	7.1					990	* 156		12.2	5.9					992	* 179		14.5	6.4					
EUROPE - USSR L'VOV 4949N 02357E OB 1																										
030	24010	0	-52.7	8.5	0	43	209	2	030	24066	4	-53.2		4	12	250	1	030	23997	4	-54.4	10.6	43	12	1	
050	20774	0	-52.7	8.1	0	59	226	3	050	20794	2	-54.9		2	63	226	2	050	20753	2	-56.6	9.9	33	298	1	
100	16287	0	-51.8	7.2	0	60	241	3	100	16341	2	-52.7		2	84	238	4	100	16343	1	-53.6	9.0	81	247	4	
150	13657	0	-51.9	6.5	1	62	244	4	150	13710	2	-51.6		2	79	242	5	150	13730	0	-52.4	6.0	235	5		
200	11805	0	-54.9	5.8	1	56	250	4	200	11847	2	-53.1		2	49	262	4	200	11878	0	-54.5	6.4	70	233	6	
300	9188	0	-46.2	6.0	1	42	242	4	300	9212	2	-46.2		2	55	254	3	300	9260	0	-46.0	6.4	58	226	6	
500	5596	0	-19.6	8.7	0	29	245	2	500	5620	2	-19.4	10.2	2	28	216	1	500	5666	0	-19.3	9.4	59	226	4	
700	3012	0	-3.5	7.2	0	22	245	1	700	3033	2	-2.8	7.9	2	49	237	2	700	3083	0	-3.2	6.2	40	222	2	
850	1452	0	5.1	4.1	0	11	257	1	850	1465	2	7.0	7.0	2	998	* 156		850	1515	0	7.6	8.5	23	219	1	
974	* 325	12.6	4.9					1008	* 64		13.5	4.8														
EUROPE - USSR HAR'KOV 4956N 03617E OB 1																										
030	24081	2	-53.1		3	16	289	1	030	23992	6	-53.3	11.9	7	46	292	2	030	23997	2	-54.2		2	12	235	1
050	20799	2	-54.9		3	52	223	2	050	20721	6	-55.6	11.1	6	51	252	2	050	20766	2	-58.0		50	256	2	
100	16332	0	-52.3		1	81	226	4	100	16305	6	-53.5	10.1	6	81	233	5	100	16384	1	-57.4		88	251	7	
150	13706	0	-51.5		0	76	230	4	150	13685	6	-51.2	9.3	6	86	231	6	150	13807	0	-55.7		84	250	10	
200	11843	0	-52.8		0	53	227	4	200	11818	6	-51.8	7.7	6	81	227	7	200	11983	0	-56.0		91	248	13	
300	9214	0	-46.8		0	35	223	3	300	9189	6	-47.5	6.4	6	67	220	8	300	9352	0	-43.3	8.9	86	246	11	
500	5621	0	-19.5	8.4	0	47	206	3	500	5619	6	-20.0	9.7	6	72	209	6	500	5708	0	-16.3	11.0	84	249	7	
700	3038	0	-3.3	5.4	0	53	189	3	700	3037	6	-3.0	7.2	6	72	194	4	700	3092	0	1.2	8.2	83	241	4	
850	1474	0	7.4	6.0	0	53	181	2	850	1471	6	7.2	7.4	6	52	175	3	850	1500	0	12.2	8.4	14	107	1	
996	* 152	15.8	8.4					1004	* 77		16.7	8.0					961	* 490		19.4	9.2					
EUROPE - SYRIAN ARAB REPUBLIC ALEPPO 3611N 03713E OB 1																										
030	24027	1	-52.2		1	32	35	1	030	24004	4	-52.2		4	78	67	4	030	23997	2	-54.2		52	233	6	
050	20768	0	-58.6		0	24	60	1	050	20753	2	-57.1		2	62	58	2	050	20827	4	-58.6		87	255	21	
100	16439	0	-59.0		0	92	246	15	100	16462	0	-61.6		0	95	249	16	100	16524	0	-62.5		87	252	24	
150	13880	0	-56.4		0	94	247	24	150	13929	0	-58.0		0	91	250	27	150	13990	0	-58.3		86	252	24	
200	12052	0	-56.2	15.7	0	92	249	28	200	12118	0	-56.9		0	94	251	31	200	12176	0	-57.3		86	252	24	
300	9409	0	-42.0	14.6	5	88	248	25	300	9466	0	-40.4	11.4	0	89	249	25	300	9521	0	-40.2	9.3	89	252	21	
500	5747	0	-14.2	17.5	0	93	247	16	500	5776	0	-12.2	20.0	0	90	244	16	500	5816	0	-11.4	12.8	90	254	14	
700	3106	0	3.8	14.9	0	86	235	10	700	3115	0	6.2	24.8	0	84	234	10	700	3144	0	7.2	7.3	80	251	8	
850	1497	0	14.7	13.5	0	76	265	5	850	1493	0	17.0	23.7	0	65	251	4	850	1520	0	17.1	17.8	56	248	3	
964	* 393	13.4	5.2					943	* 611		13.6	7.7					1010	* 30		26.0	13.7					
ASIA - USSR POLAR GMD IM. E.T. KRENKELJA 8037N 05803E OB 1																										
030	24126	0	-43.5	13.8	0	56	51	1	030	24076	0	-45.7		0	72	77	2	030	24036	0	-45.8	17.9	59	59	2	
050	20713	0	-45.6	12.1	0	51	23	1	050	20676	0	-46.0		0	72	76	2	050	20647	0	-46.7	16.4	60	31	2	
100	16097	0	-46.0	10.4	0	59	314	2	100	16065	0	-45.8		0	48	44	1	100	16072	0	-47.1	14.5	73	336	3	
150	13394	0	-45.0	8.7	0	41	316	2	150	13363	0	-45.5		0	54	37	2	150	13380	0	-45.4	13.2	62	325	3	
200	11467	0	-44.9	7																						

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UPPER AIR

MAY 1987

LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND			LEVEL		TEMPERATURE				VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	% STEADINESS	DIRECTION °	SPEED mps	PRESSURE mb	HEIGHT	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	% STEADINESS	DIRECTION °	SPEED mps	PRESSURE mb	HEIGHT	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	% STEADINESS	DIRECTION °	SPEED mps
mb	gpm								mb	gpm							mb	gpm								
ASIA - USSR SEJM CAN 6255N 15225E 0B																										
030	23958	0	-48.6		1	46	140	1	030	24013	3	-47.8	9.7	8	19	210	1	030	24076	0	-50.7		0	66	41	2
050	20608	0	-48.2		0	70	181	2	050	20641	0	-48.2	8.8	2	49	219	2	050	20763	0	-53.3		0	79	342	2
100	16047	0	-47.9		0	67	211	2	100	16080	0	-48.7	7.4	0	75	247	3	100	16295	0	-52.7		0	73	304	4
150	13372	0	-47.7		0	78	217	3	150	13416	0	-49.1	6.3	0	76	256	4	150	13667	0	-51.0		0	62	298	4
200	11471	0	-48.1		0	70	217	4	200	11538	0	-51.6	5.3	0	54	256	4	200	11804	0	-53.5		0	55	290	5
300	8817	0	-49.4		0	61	214	7	300	8917	0	-49.2	4.7	0	36	258	4	300	9177	0	-47.5		0	37	290	4
500	5321	0	-28.4	7.5	0	55	205	4	500	5397	0	-25.5	6.2	0	37	233	3	500	5605	0	-21.0	8.8	0	37	293	3
700	2845	0	-15.0	5.6	0	24	204	1	700	2883	0	-11.4	6.9	0	37	215	2	700	3037	0	-4.1	6.5	0	43	295	3
850	1352	0	-7.0	4.6	0	0	250	0	850	1378	0	-5.5	3.8	0	43	184	2	850	1476	0	6.6	7.3	0	49	301	3
981	* 207		1.8	6.6				1010	*	3		1.8	3.3							980	*	237				
ASIA - USSR OMSK 5456N 07324E 0B 1																										
030	24035	1	-51.2		1	91	30	2	030	24033	1	-51.9		1	63	18	2	030	23981	4	-49.4	11.3	5	64	28	2
050	20735	0	-53.7		0	72	343	2	050	20763	0	-54.9		0	83	332	3	050	20675	1	-51.3	10.6	1	76	349	2
100	16276	0	-53.6		0	88	312	4	100	16326	0	-53.7		0	87	299	5	100	16189	1	-52.3	9.1	1	83	319	4
150	13664	0	-52.5		0	82	301	5	150	13709	0	-52.3		0	70	291	5	150	13566	1	-52.0	7.8	1	83	311	5
200	11813	0	-54.7		0	72	296	6	200	11853	0	-53.9		0	61	285	6	200	11709	1	-54.6	6.2	1	75	307	6
300	9184	0	-46.0		0	48	295	5	300	9221	0	-45.5		0	48	290	6	300	9106	0	-48.3	6.3	0	61	304	7
500	5606	0	-20.8	8.1	0	55	293	4	500	5638	0	-20.1	7.6	0	48	294	4	500	5543	0	-22.0	8.8	0	56	302	5
700	3035	0	-3.6	7.1	0	54	287	3	700	3062	0	-3.3	5.6	0	42	296	3	700	2990	0	-6.4	7.1	0	60	292	4
850	1471	0	7.1	8.1	1	41	288	2	850	1497	0	7.7	8.1	0	42	293	2	850	1450	0	2.1	7.5	1	32	286	2
1000	* 94		14.3	9.5				995	*	171		15.4	7.7						1005	*	76					
ASIA - USSR CITA 5201N 11320E 0B																										
030	23907	4	-48.7		4	45	272	1	030	23980	5	-47.3		6	59	156	2	030	23975	5	-48.0		5	25	142	1
050	20575	3	-51.2		4	73	281	2	050	20605	5	-48.1		5	21	219	1	050	20601	3	-48.2		3	67	199	2
100	16089	1	-52.4		1	90	293	5	100	16037	4	-48.3		6	72	272	2	100	16032	2	-47.6		2	75	224	3
150	13466	1	-51.8		1	89	299	7	150	13365	4	-47.9		4	67	278	3	150	13358	1	-47.4		1	67	238	3
200	11605	1	-53.3		1	84	299	8	200	11474	4	-48.4		4	63	282	4	200	11460	1	-47.7		1	72	246	4
300	9005	0	-50.0		0	69	302	8	300	8818	4	-49.5		4	52	286	6	300	8809	0	-50.4		1	50	259	6
500	5481	0	-24.8	9.1	0	72	311	7	500	5331	4	-29.6	5.6	4	62	293	5	500	5328	0	-28.5	7.3	0	47	271	4
700	2952	0	-8.4	8.1	0	79	308	5	700	2858	4	-14.5	4.3	4	58	289	3	700	2841	0	-13.7	7.1	0	12	278	1
850	1411	0	3.3	14.2	0	69	316	3	850	1358	4	-4.3	6.0	4	49	272	2	850	1344	0	-5.9	6.2	0	12	71	1
981	* 685		8.5	15.7				926	*	682		0.1	7.2						1006	*	6					
ASIA - USSR BLAGOVESCHENSK 5016N 12730E 0B																										
030	24047	4	-48.2		4	38	225	1	030	23950	1	-48.7	11.8	1	62	232	2	030	24088	1	-49.0		1	49	211	1
050	20691	1	-50.6		2	75	246	2	050	20618	0	-51.2	10.6	0	88	242	3	050	20769	1	-53.6		1	86	255	3
100	16179	1	-50.9		2	95	265	6	100	16127	0	-51.9	9.3	0	94	262	6	100	16335	1	-54.7		1	91	267	10
150	13530	1	-50.5		2	84	269	7	150	13498	0	-51.7	8.0	0	82	266	8	150	13723	1	-53.6		1	91	268	13
200	11656	1	-52.3		2	79	270	8	200	11636	0	-53.0	6.8	0	85	266	10	200	11869	0	-54.6		0	87	270	14
300	9016	1	-46.6		2	67	273	8	300	9010	0	-47.7	6.2	0	74	263	10	300	9223	0	-43.5		0	82	271	12
500	5454	1	-23.4	8.0	1	74	281	6	500	5464	0	-23.5	7.1	0	74	267	7	500	5598	0	-19.5	8.8	0	84	276	8
700	2918	1	-8.0	9.0	2	60	294	3	700	2923	0	-6.9	7.4	0	74	266	5	700	3014	0	-2.8	8.7	0	78	281	6
850	1380	1	3.0	12.9	2	33	304	2	850	1379	0	2.6	8.4	0	69	265	4	850	1441	0	7.4	11.0	0	61	263	4
981	* 137		9.5	12.8				997	*	72		9.7	8.3						1000	*	138					
ASIA - USSR JUZNO-SAHALINSK 4655N 14244E 0B																										
030	23986	10	-48.7		9	62	225	2	030	24046	2	-49.3		2	64	210	2	030	24068	11	-51.3		9	41	263	3
050	20643	10	-50.8		9	92	226	4	050	20696	1	-49.8		1	79	239	3	050	20783	10	-55.1		9	47	260	4
100	16166	10	-53.0		9	96	251	8	100	16165	0	-50.7		1	88	249	6	100	16344	10	-54.5		9	68	263	6
150	13549	10	-52.7		9	93	256	11	150	13525	0	-50.0		0	85	251	8	150	13733	10</td						

ASIA-USSR

UPPER AIR

MAY 1987

ASIA-PAKISTAN

UPPER AIR

MAY 1987

ASIA-INDIA

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND				
PRESSURE	HEIGHT	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	STEADINESS %	DIRECTION	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	DIRECTION	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	DIRECTION	SPEED mps	
mb	gpm																								
ASIA - INDIA PANAMBUR 1257N 07450E OB 3																									
030	20755	9	-60.2		9	97	96	13	030	20702	11	-62.9		9	90	94	11	030							
050	16700	1	-79.9		3	30	147	2	050	16655	4	-79.5		4	76	101	5	050							
100	14327	1	-66.2		2	81	237	8	150	14314	2	-65.1		2	72	125	6	150	14292	2	-66.1				
150	12253	1	-51.1		2	80	234	11	200	12514	0	-51.9		0	67	141	5	200	12496	1	-51.7				
200	9746	1	-28.5		2	59	241	8	300	9738	0	-27.4		0	41	122	3	300	9731	1	-28.9				
300	5884	0	-3.4		0	69	183	1	500	5871	0	-3.8	7.6	0	29	43	1	500	5870	0	-3.7				
500	3154	0	11.4	10.8	0	69	102	5	700	3143	0	9.9	9.7	0	31	41	1	700	3142	0	10.4	11.6			
700	850	0	22.2	11.7	0	70	349	3	850	1500	0	19.0	5.4	0	15	312	1	850	1495	0	20.3	7.1			
1000	* 1499	*	29.0	5.5					1000	* 79								1008	* 3						
ASIA - INDIA MINICOY 0818N 07309E OB 3																									
030									030	24041	0	-50.9		0	91	5	23	030	23929	10	-54.0	29.5	5	95	89 11
050									050	20816	0	-62.3		0	85	95	17	050	20700	3	-62.1	27.1	1	93	86 8
100									100	16748	0	-79.5		0	53	105	4	100	16636	1	-77.4	14.0	0	50	305 4
150	14378	11	-63.2		5	60	212	6	150	14328	0	-64.5		0	45	240	4	150	14256	1	-65.6	13.4	0	81	293 12
200	12550	5	-46.0		5	59	215	4	200	12541	0	-53.2		0	50	212	5	200	12453	1	-51.8	13.3	0	87	294 15
300	9754	3	-27.4		3	59	215	4	300	9758	0	-27.6		0	67	230	5	300	9696	0	-30.5	14.2	0	87	285 13
500	5886	3	-3.5		3	21	74	1	500	5879	0	-2.9		0	25	85	1	500	5867	0	-5.0	10.9	0	88	261 9
700	3156	1	10.4	11.8	1	65	91	3	700	3141	0	11.2	13.7	0	60	64	4	700	3150	0	9.5	6.1	0	92	251 8
850	1506	1	20.3	8.4	1	29	58	1	850	1494	0	20.7	8.0	0	52	16	2	850	1510	0	17.6	3.3	0	90	230 6
1000	* 1008	*	29.3	4.3					1000	* 64								1004	* 66						
ASIA - DPR KOREA PYONGYANG 3902N 12547E OB 1																									
030									030	24012	29	-49.5		9	20	260	11	030	23960	6	-50.1		6	42	266 2
050									050	20709	24	-56.7		9	82	273	7	050	20644	4	-52.8		6	89	248 6
100									100	16403	1	-63.4		6	94	269	24	100	16191	0	-54.3		0	95	259 16
150									150	13887	0	-58.7		0	95	271	34	150	13589	0	-53.7		0	93	259 23
200	11976	0	-55.4	6.9	2	88	275	12	200	12072	0	-56.3		0	94	270	39	200	11746	0	-54.9		0	89	258 27
300	9332	0	-41.4	8.0	2	88	275	12	300	9408	0	-38.8	5.9	0	94	270	30	300	9116	0	-45.5		0	83	257 23
500	5666	0	-17.0	11.4	0	92	275	7	500	5712	0	-13.6	12.2	0	88	273	15	500	5538	0	-21.2	12.3	0	79	263 14
700	3057	0	0.0	12.0	0	70	290	4	700	3076	0	2.0	15.2	0	67	279	6	700	2970	0	-4.7	12.9	0	73	258 10
850	1474	0	8.8	9.8	0	57	275	2	850	1486	0	10.3	12.3	0	46	270	4	850	1417	0	4.3	13.4	0	70	248 9
1000	* 1009	*	15.8	7.1					1013	* 6								1009	* 11						
ASIA - JAPAN SAPPORO 4303N 14120E OB 2																									
030	23970	4	-49.8		6	8	288	1	030	23981	4	-49.9		4	41	69	2	030	23967	3	-50.6		4	23	63 1
050	20662	3	-53.6		4	91	248	5	050	20661	1	-53.3		2	81	239	4	050	20678	0	-55.9		0	85	252 6
100	16240	0	-56.3		1	96	262	20	100	16244	0	-56.4		1	95	260	18	100	16319	0	-59.0		0	95	264 23
150	13659	0	-54.7		1	94	263	25	150	13661	0	-54.6		1	95	259	26	150	13769	0	-57.9		0	94	262 33
200	12676	0	-55.7		2	91	263	30	200	11827	0	-55.3		1	91	260	30	200	11951	0	-55.5		0	91	261 38
300	9186	0	-44.0		1	83	260	24	300	9188	0	-43.8		2	78	260	24	300	9295	0	-41.4		0	86	261 30
500	5583	0	-19.6	13.8	0	82	268	15	500	5584	0	-19.3	12.7	0	75	265	13	500	5649	0	-16.9	16.8	0	84	264 18
700	3003	0	-3.4	11.2	0	81	265	10	700	3004	0	-3.2	14.6	1	67	259	9	700	3048	0	-1.5	15.6	0	88	268 11
850	1441	0	5.6	11.9	0	72	256	8	850	1441	0	5.9	14.6	1	63	250	6	850	1475	0	7.5	10.5	0	84	250 8
1000	* 1010	*	11.2	7.0					1009	* 26								1013	* 10						
ASIA - JAPAN SENDAI 3816N 14054E OB 2																									
030	23982	5	-50.5		6	50	71	3	030	23959	0	-51.2		6	21	45	1	030	23959	2	-51.4		3	56	75 3
050	20692	0	-56.0		2	79	257	5	050	20682	0	-56.9		0	86	258	6	050	20688	1	-57.9		2	75	251 4
100	16360	0	-61.1		0	95	264	23	100	16371	0	-62.3		0	95	268	24	100	16407	0	-64.1		0	95	266 23
150	13826	0	-58.6		0	84	263	34	150	13845	0	-58.4		0	95	265	34	150	13903	0	-60.0		0	94	266 34
200	12014	0	-55.9		0	90	261	38	200	12032	0	-55.7		0	90	267	38	200	12100	0	-56.5		0	90	264 37
300	9352	0	-40.3		0	87	259	31	300	9364	0	-39.8		0	90	263	32	300	9429	0	-38.6		0	90	259 30
500	5682	0	-15.4	14.8	0	85	264	17	500	5690	0	-15.1	17.3	0	87	266	16	500	5726	0	-12.9	14.7	0	88	262 18
700	3064	0	0.1	13.9	0	79	269	10	700	3068	0	0.4	18.5	0	74	261	8	700	3086	0	1.6	12.6	0	73	259 7
850	1484	0	8.7	9.3	0																				

ASIA-JAPAN

UPPER AIR

MAY 1987

ASIA-CHINA

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND						
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm		°C	°C		%	o	mps	mb	gpm		°C	°C		%	o	mps	mb	gpm		°C	°C		%	o	mps	
ASIA - CHINA HAILAR 4913N 11945E OB 1																											
ASIA - CHINA URUMQI 4347N 08737E OB 1																											
030	23989	8	-46.3	12.0	9	75	252	2	030	22712	12	-49.0	7.8	9	60	278	2	030	23972	3	-51.6	9	50	79	1		
050	20655	5	-50.8	10.8	9	99	275	3	050	19968	31	-54.9	7.5	4	75	293	3	050	20715	3	-59.3	9	80	276	2		
100	16157	2	-51.7	10.4	4	93	282	7	100	15813	0	-56.0	7.0	0	94	276	8	100	16470	2	-64.0	8	96	274	12		
150	13525	1	-52.0	9.6	3	95	284	9	150	13330	0	-54.6	7.4	0	95	272	10	150	13957	2	-59.6	6.4	6	97	269	17	
200	11669	1	-54.4	8.8	3	87	284	10	200	11571	0	-56.5	6.8	0	88	272	12	200	12148	1	-56.5	6.8	2	94	268	16	
300	9055	1	-48.4	8.5	2	83	287	10	300	9338	0	-44.9	7.4	0	91	272	10	300	9483	1	-38.3	7.8	2	92	273	12	
500	5507	0	-22.8	10.9	1	83	296	8	500	5713	0	-17.1	9.7	0	86	289	6	500	5758	0	-11.5	7.4	0	90	291	5	
700	2956	0	-7.2	11.4	0	77	306	5	700	3102	0	0.2	7.9	0	75	318	3	700	3104	0	3.2	6.7	0	100	304	0	
850	1413	0	3.3	12.7	0	67	307	3	850	1511	0	11.4	10.4	0	60	341	2	849	*1518	0	11.1	5.4					
938	* 611		6.0	10.7					912	* 919																	
ASIA - CHINA BEIJING 3956N 11617E OB 1																											
030	23924	5	-51.5	12.7	9	26	252	1	030	23979	7	-54.0		9	87	81	4	030	23948	6	-54.7		6	91	89	5	
050	20668	1	-58.2	8.7	5	88	288	4	050	20752	5	-61.5		9	50	130	1	050	20752	5	-66.2		5	83	92	3	
100	16342	0	-59.9	9.7	2	99	281	12	100	16598	1	-69.4		4	91	257	10	100	16697	3	-76.6		3	92	261	6	
150	13791	0	-57.2	9.5	1	99	277	17	150	14125	1	-59.6	9.9	4	0	247	19	150	14286	2	-63.2		3	91	264	11	
200	11971	0	-57.2	8.1	0	97	277	20	200	12291	1	-51.4	9.6	3	97	252	20	200	12462	1	-50.5	10.2	1	92	266	12	
300	9329	0	-42.3	8.2	0	92	275	15	300	9570	1	-35.5	9.8	1	94	264	9	300	9698	1	-30.3	12.2	1	90	267	10	
500	5683	0	-17.3	11.1	0	84	282	7	500	5799	0	-7.2	7.8	1	100	244	3	500	5859	0	-4.1	13.2	0	93	275	7	
700	3072	0	0.8	13.4	0	76	298	4	700	3132	0	6.6	3.8	0	811	*1892	0	700	3132	0	10.2	6.3	0	92	269	6	
850	1479	0	11.4	13.2	0	37	285	2	850	13650							850	13650									
1006	* 55		16.6	6.6																							
ASIA - CHINA SHANGHAI 3110N 12126E OB 1																											
030	24000	5	-52.7		7	83	100	3	030	23980	19	-52.1		0	94	87	10	030	23971	13	-53.9		9	100	93	7	
050	20773	1	-62.3		1	50	295	1	050	20729	10	-61.1		0	94	84	7	050	20752	3	-64.9		4	100	81	4	
100	16598	0	-68.0		0	96	276	11	100	16617	3	-75.5		0	75	286	8	100	16697	1	-75.9		1	67	293	3	
150	14121	0	-60.6	10.2	0	95	276	18	150	14211	0	-64.5		0	88	288	20	150	14288	0	-63.8		0	88	283	8	
200	12304	0	-53.4	9.2	0	96	273	17	200	12407	0	-53.1		0	87	280	22	200	12470	0	-50.7	6.8	0	90	286	9	
300	9583	0	-34.4	11.0	0	96	276	13	300	9670	0	-31.7	9.2	0	90	273	16	300	9707	0	-30.2	8.0	0	88	275	7	
500	5804	0	-7.9	14.2	0	100	273	7	500	5859	0	-6.1	7.4	0	92	266	12	500	5871	2	-4.7	7.6	2	91	256	5	
700	3110	0	6.3	12.9	0	88	232	4	700	3148	0	4.6	3.8	0	92	253	10	700	3148	0	9.2	3.4	0	90	257	5	
850	1496	0	12.9	8.7	0	3	333	0	850	1514	0	17.2	3.3	0	82	235	7	850	1507	0	17.6	2.2	0	75	222	3	
1013	* 7		17.5	3.0					1011	* 9		23.0	2.0					1010	* 8		24.0	1.7					
AFRICA - PORTUGAL FUNCHAL 3238N 01654N OB 2																											
030									030									030									
050									050									050									
100	16423	9	-59.4		9	96	242	16	100	16398	7	-58.3		9	94	280	28	100	16559	5	-73.5						
150	13881	8	-58.0		8	95	248	24	150	13845	0	-57.1		9	90	280	29	150	12363	1	-55.1		6	23	320	22	
200	12076	5	-58.2		5	89	254	27	200	12031	0	-56.9		9	89	280	28	200	12363	1	-55.1		6	23	320	22	
300	9435	0	-41.1		0	91	251	24	300	9385	0	-41.1		4	89	280	28	300	12363	1	-55.1		6	23	320	22	
500	5752	0	-13.2	21.1	0	85	247	13	500	5826	0	-15.3		0	83	280	16	500	12363	1	-55.1		6	23	320	22	
700	3107	0	2.7	23.1	0	72	256	6	700	3105	0	2.0	14.7	0	71	280	8	700	3148	0	9.2	3.4	0	90	257	5	
850	1521	0	7.8	10.3	0	33	305	2	850	1511	0	11.6	13.2	0	24.3	21.9	4.2	850	1507	0	17.6	2.2	0	75	222	3	
1012	* 56		19.9	7.1					1013	* 25								1010	* 1378								
AFRICA - NIGER NIAMEY-AERO 1329N 00210E OB 3																											
030	23888	13	-54.7		9	50	90	22	030	20733	12	-62.8						030	23880	1	-54.2		0	99	88	18	
050	20691	8	-63.5		9	45	90	11	050	20733	1	-63.8						050	20666	1	-63.8		0	96	86	10	
100	16653	0	-78.8		2	5	160	1	100	16638	1	-76.7															

AFRICA-USA

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND						
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEN POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEN POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEN POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm		°C	°C		%	o	mps	mb	gpm		°C	°C		%	o	mps	mb	gpm		°C	°C		%	o	mps	
AFRICA - USA (OCEAN ISLANDS) WIDE AWAKE FIELD (ASCEN.IS) 0758S 01424W OB 2																											
030	23894	17	-51.8						030	23869	25	-55.7						030	23862	6	-56.9						
050	20660	17	-62.6						050	20638	4	-59.2						050	20635	4	-55.5						
100	16615	14	-79.4						100	16338	3	-62.5						100	15862	6	-95	278	32				
150	14247	13	-67.3						150	13824	3	-60.0						150	13305	4	-90	277	34				
200	12454	13	-53.0						200	12031	3	-59.5			8	90	280	22	200	11482	3	-85	281	37			
300	9716	14	-31.6	11.5					300	9400	3	-41.7	11.0		6	88	292	20	300	8875	3	-47.8	283	38			
500	5893	13	-4.9	18.8					500	5734	3	-14.1	15.9		3	87	290	17	500	5331	2	-23.6	8.8	0	86	277	
700	3174	14	9.9	16.2					700	3101	3	1.5	16.5		3	83	294	14	700	2795	2	-9.0	7.0	0	87	275	
850	1532	13	16.1	5.7					850	1518	3	7.0	5.9		3	81	303	13	850	1271	2	-2.5	3.1	0	79	278	
1005	*	79	26.8	6.5					1014	*	29	16.0	3.9					992	*	30	5.3	4.0					
AFRICA - SEYCHELLES SEYCHELLES TAP. (RAW. STN) 0441S 05532E OB 2																											
030	23809	5	-55.5			4	99	89	27	030	23874	11	-52.4					030	23848	5	-80.4						
050	20635	2	-67.3			0	97	87	16	050	20630							050	20627	2	-66.0						
100	16631	1	-80.3			0	20	233	2	100	16330							100	16248	1	-52.1						
150	14266	1	-65.8			0	42	287	5	150	14027							150	14245	1	-30.1	9.9					
200	12462	1	-51.8			0	29	289	3	200	12477	11	-30.1	10.1				200	12485	0	-4.6	7.7					
300	9704	1	-30.0	18.2		0	12	28	1	300	9724	0	5.1	5.0				300	9729	0	11.0	7.0					
500	5871	1	-4.9	13.1		0	40	62	2	500	5892	0	21.0	6.0		9	60	150	3	500	5896	0	19.8	3.1			
700	3149	1	10.3	8.9		0	13	49	1	700	3170	0	7.4	10.3		2	81	150	7	700	3181	0	6.3	15.6			
850	1506	1	18.7	4.9		0	8	297	1	850	1517	0	12.1	12.5		2	62	300	5	850	1561	5	10.4	6.2		5	66
1009	*	4	29.5	4.9					969	*	366	27.8	5.3					1010	*	15	27.4	3.2					
AFRICA - MADAGASCAR ANTANANARIVO/IVATO 1848S 04729E OB 3																											
030	23809	0	-75.4			0	88	283	12	030	23874	5	-54.6					030	23848	2	-61.6						
050	20660	0	-64.8			0	95	282	22	050	20660	17	-63.7			9	58	124	5	050	20683	2	-70.1				
100	16578	0	-53.0			0	96	283	25	100	16596	7	-76.7			7	59	152	6	100	16509	0	-61.5				
150	14170	0	-32.7	25.3		0	93	282	19	150	14207	5	-66.1			5	60	131	7	150	14240	0	-54.4				
200	12372	0	-7.9	30.0		0	71	269	6	200	12411	5	-53.1			5	72	160	5	200	12240	0	-11.1	23.6			
300	9643	0	-7.9	17.9		0	39	135	2	300	9673	5	-31.7	20.3		4	49	149	4	300	9562	0	-38.7	18.9			
500	5857	0	7.9	15.1		0	84	255	20	500	5877	4	-7.3	21.5		4	66	160	11	500	5850	0	54	270			
700	3164	0	7.9	17.9		0	88	114	5	700	3183	1	7.4	10.3		2	81	150	7	700	3181	0	6.3	15.6			
850	1542	0	15.6	6.4		0	84	250	20	850	1547	0	12.1	12.5		2	62	300	5	850	1561	5	10.4	6.2		5	66
878	*	1276	18.1	7.9					876	*	1280	25.2	8.5					874	*	1500	10.1	6.3					
AFRICA - SOUTH AFRICA ALEXANDER BAY 2834S 01632E OB 1																											
030	23909	9	-54.3			9	81	258	6	030	23916	5	-54.6			8	58	259	5	030	23886	7	-54.8				
050	20693	4	-61.4			4	66	285	5	050	20692	0	-61.3			1	44	280	4	050	20677	4	-61.4				
100	16482	0	-68.2			2	91	264	16	100	16489	0	-67.9			0	92	269	16	100	16468	0	-67.5				
150	14170	0	-61.4			0	91	260	24	150	14013	0	-60.9			0	92	265	23	150	13994	0	-61.2				
200	12208	0	-56.3			0	84	255	20	200	12207	0	-56.0			0	82	259	20	200	12193	0	-56.9				
300	9543	0	-38.8	15.1		0	67	258	13	300	9543	0	-39.2	12.8		0	68	260	12	300	9536	0	-39.7	12.1			
500	5834	0	-11.3	21.0		0	66	287	9	500	5838	0	-11.5	19.2		0	62	281	7	500	5835	0	-12.0	16.5			
700	3162	0	7.1	18.5		0	67	305	6	700	3172	0	6.4	15.0		0	54	298	5	700	3174	0	5.9	17.1			
850	1535	0	17.7	19.5		0	41	334	2	850	1547	0	17.6	17.2		0	38	320	2	850	1555	0	10.8	12.2		0	14
1014	*	15.1	4.5						923	*	800	15.3	13.6					871	*	1400	6.5	5.9					
AFRICA - SOUTH AFRICA DURBAN (LOUIS BOTHA) 2958S 03057E OB 1																											
030	23893	6	-54.6			8	75	263	6	030	23858	8	-50.5			9	93	272	14	030	23861	1	-60.9				
050	20670	1	-61.1			2	78	282	6	050	20638	2	-60.5			3	93	279	13	050	20661	1	-55.5				
100	16450	0	-66.7			0	87	271	15	100	16375	0	-54.6			2	96	274	29	100	16394	0	-55.5				
150	13972	0	-61.7			0	94	269	22	150	13876	0	-61.0			1	95	269	35	150	13891	0	-60.8				
200	12176	0	-57.8			0	91	267	19	200	12083	0	-58.7			1	91	267	34	200	12102	0	-59.4				
300	9523	0	-39.8	12.8		0	83	264	13	300	9440	0	-40.9	10.9		1	91	266	29	300	9464	0	-40.9	11.4			
500	5826	0	-11.9	16.3		0	73	273	8	500	5759	0	-13.1	18.2		0	91	280	25	500	5784	0	-13.1	16.8			
700	3164	0	5.8	15.5		0	60	257	5	700	3113	0	3.6	21.7		0	91	293	18	700	3136	0	3.9	15.4			
850	1545	0	15.8	13.1		0	26	316	1	850	1512	0	12.6	14.5		0	89	301	11	850	1528	0	14.2	13.6		0	83
1016	*	18.4	2.6						1011	*	13.6	1.7						1009	*	1400	15.4	2.8					
AFRICA - SOUTH AFRICA CAPE TOWN (D.F. MALAN) 3359S 01836E OB 1																											
030	23893	6	-54.6			8	75	263	6	030	23858	8	-50.5			9	93	272	14	030	23861	1	-60.9				
050	20670	1	-61.1			2	78	282	6	050	20638	2	-60.5			3	93	279	13	050	20661	1	-55.5				
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UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps
AFRICA - SOUTH AFRICA GOUGH ISLAND 4021S 00953W OB 1																										
030	20483	3	-59.4		3	96	279	22	030	20402	12	-89.1		9	97	268	45	030	24043	11	-47.6					
050	16158	0	-59.5		0	95	275	29	100	16037	1	-57.2		2	90	265	35	100	20661	6	-48.5					
100	13613	0	-58.1		0	93	277	38	150	13456	0	-54.7		0	91	267	49	150	16098	3	-48.0					
150	11799	0	-17.3		0	88	276	36	200	11618	0	-54.7		0	86	269	1	200	13420	3	-47.8					
300	9167	0	-43.7	12.0	0	88	272	16	300	8979	0	-45.9	22.5	0	84	271	46	300	11527	3	-49.7					
500	5553	0	-18.4	10.6	0	90	276	24	500	5416	0	-21.9	21.2	0	84	272	32	500	5431	0	-28.2	10.4				
700	2963	0	-3.1	9.0	0	88	272	16	700	2862	0	-6.2	20.1	0	86	269	23	700	2930	0	-11.3	8.2				
850	1405	0	4.1	4.7	0	80	227	11	850	1324	0	0.2	8.6	0	85	268	16	850	1416	0	-3.4	9.1				
1001	*	11.3	3.6					998	*		5.3	2.0					1015	*	4		-7.9	1.2				
N AMERICA - USA BARTER ISLAND, AK. 7008N 14338W OB 2																										
030	24007	6	-48.1		6	52	67	2	030	24076	11	-47.3		2				030	23942	9	-49.7		9	44	140	1
050	20651	5	-48.8		6	8	348	0	050	20701	11	-48.1		2				050	20598	8	-49.9		8	30	169	1
100	16096	2	-48.8		2	34	267	1	100	16114	2	-47.2		2	54	162	2	100	16053	0	-48.5		0	21	178	1
150	13428	2	-48.6		2	42	233	2	150	13425	2	-46.6		2	51	166	3	150	13379	0	-47.3		0	34	168	2
200	11541	2	-51.4		2	41	255	3	200	11517	2	-47.4		2	58	152	5	200	11473	0	-47.0		0	26	139	5
300	8943	1	-52.1		1	33	228	5	300	8864	1	-50.8		1	60	150	9	300	8810	0	-49.9		0	37	143	5
500	5447	1	-26.6	10.8	1	22	293	2	500	5388	1	-28.8	8.5	1	72	146	9	500	5349	0	-30.3	8.1	0	64	140	6
700	2930	0	-10.0	9.6	1	10	345	1	700	2894	0	-12.1	8.2	1	75	147	6	700	2870	0	-13.6	6.2	0	63	145	4
850	1408	0	-1.8	10.7	0	46	100	3	850	1382	0	-2.8	7.5	1	60	139	4	850	1365	0	-4.0	5.3	0	47	139	3
1013	*	15	-7.5	1.1					1009	*	5	1.1	3.6					1007	*	7						
N AMERICA - USA BETHEL/BETHEL AIRPORT, AK. 6047N 16148W OB 2																										
030	23999	6	-47.8		9	50	160	2	030	23955	7	-50.4		7	41	204	2	030	23915	11	-51.0		9	26	169	1
050	20603	6	-50.4		6	33	215	1	050	20615	6	-49.9		6	58	205	3	050	20598	8	-51.2		9	51	234	2
100	16062	0	-48.7		0	39	231	2	100	16079	1	-49.0		1	65	203	3	100	16095	3	-50.0		3	77	274	7
150	13388	0	-47.3		0	35	239	2	150	13416	0	-48.0		0	64	197	4	150	13436	3	-48.3		5	82	276	10
200	11482	0	-46.8		0	26	218	2	200	11519	0	-49.0		0	60	183	5	200	11539	2	-47.7		4	80	278	13
300	8811	0	-49.2		0	40	169	6	300	8886	0	-51.2		0	61	161	8	300	8871	2	-48.2		2	73	279	16
500	5344	0	-30.5	6.8	0	62	144	6	500	5409	0	-28.0	7.9	0	75	150	7	500	5366	0	-27.9	11.3	2	68	284	10
700	2866	0	-13.6	4.4	1	63	145	5	700	2909	0	-11.5	3.7	0	78	134	6	700	2872	0	-13.0	10.5	2	65	295	7
850	1362	0	-4.3	3.6	1	46	155	3	850	1390	0	-1.1	3.6	0	58	126	3	850	1371	0	-5.7	4.3	4	67	307	6
1003	*	46	1.0	1.2					1003	*	40	6.3	4.3					1005	*	31	2.1	2.0				
N AMERICA - USA YAKUTAT, AK. 5931N 13940W OB 2																										
030	23968	9	-51.5		9	21	249	1	030	23925	8	-52.5		8	85	278	5	030	23969	9	-52.3		9	92	88	6
050	20640	7	-50.5		7	72	203	4	050	20631	12	-52.2		9	72	277	9	050	20704	6	-59.3		8	55	65	2
100	16106	3	-49.3		3	82	215	5	100	16173	7	-52.7		8	90	275	16	100	16448	5	-65.2		7	87	246	7
150	13445	3	-48.7		3	78	214	6	150	13550	6	-51.5		8	84	274	19	150	13961	5	-62.6		7	90	245	13
200	11558	2	-49.6		3	71	207	7	200	11687	6	-52.7		8	62	283	15	200	12177	5	-58.4		8	83	247	13
300	8923	1	-50.4		2	41	203	7	300	9052	4	-47.1		7	54	269	9	300	9516	5	-38.8		7	74	237	10
500	5426	1	-27.4	8.7	2	55	157	6	500	5504	2	-22.9	9.8	5	54	267	6	500	5802	1	-11.9	12.5	4	75	215	6
700	2919	1	-11.1	3.6	4	69	146	5	700	2961	2	-8.2	11.2	4	55	277	6	700	3141	1	4.8	8.7	3	74	217	5
850	1401	1	-2.1	2.4	3	65	139	4	850	1436	2	-2.6	9.5	4	52	270	4	850	1523	1	15.3	7.2	3	72	194	5
* 9	4.9	1.0							1009	*	31	2.7	3.2					1000	*	124	19.2	1.7				
N AMERICA - USA BROWNSVILLE/INT., TX. 2554N 09726W OB 2																										
030	23978	8	-53.8		9	98	87	9	030	23925	8	-52.5		8	85	278	5	030	24013	2	-50.4		2	74	79	4
050	20686	4	-59.7		4	75	87	5	050	20646	6	-59.1		6	78	289	3	050	20735	1	-58.2		1	36	51	2
100	16478	3	-69.6		4	93	249	9	100	16420	6	-61.1		6	72	255	6	100	16453	0	-64.8		0	74	280	6
150	14033	2	-64.0		3	95	259	22	150	13893	5	-57.0		5	64	271	10	150	13964	0	-62.4		0	72	268	8
200	12246	2	-56.8		3	92	261	25	200	12065	5	-58.0		4	66	272	14	200	12186	0	-59.3					

N AMER-USA

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LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND								
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	%	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	%	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	%	STEADINESS	DIRECTION	
mb	gpm		°C	°C				°	mps	mb	gpm		°C	°C				°	mps	mb	gpm		°C	°C				°	mps
N AMERICA - USA MONETT, MO. 3653N 09354W OB 2																													
030	24091	8	-49.6		9	59	72	2	030	24032	6	-49.9		8	61	80	2	030	24013	2	-49.0		5	36	64	1			
050	20722	5	-58.4		5	37	53	2	050	20735	5	-56.0		5	33	17	1	050	20725	2	-57.3		2	43	15	2			
100	16433	3	-64.0		3	56	247	4	100	16411	2	-63.0		3	87	304	9	100	16417	1	-63.4		1	88	289	7			
150	13933	3	-61.6		3	77	224	8	150	13905	2	-61.5		3	88	298	12	150	13912	0	-62.6		0	84	288	11			
200	12150	2	-59.4		2	63	236	9	200	12124	3	-59.6		3	87	311	15	200	12136	0	-59.9		0	80	288	13			
300	9502	2	-39.8		2	71	219	8	300	9479	2	-40.0		3	80	300	12	300	9491	0	-40.0		0	79	285	10			
500	5794	0	-11.8	14.2	0	72	216	6	500	5779	1	-12.5	14.4	2	81	287	10	500	5792	0	-12.4	15.2	0	77	281	8			
700	3138	0	4.1	8.9	0	62	216	4	700	3130	1	2.4	11.2	3	78	284	7	700	3139	0	3.3	10.2	0	78	271	7			
850	1524	0	14.8	6.8	0	82	231	6	850	1533	2	11.2	9.1	4	60	293	4	850	1533	0	12.7	10.6	1	74	267	6			
965	* 437		15.9	1.6					1009	*	98	12.6	1.4					983	*	306	13.9	3.3							
N AMERICA - USA NORTH PLATTE/LEE BIRD, NE. 4108N 10041W OB 2																													
030	23979	8	-52.8		8	34	39	1	030	23932	6	-54.7		7	76	58	3	030	24038	6	-54.3		7	37	30	1			
050	20721	3	-58.3		4	52	47	2	050	20692	5	-57.5		5	70	89	2	050	20738	4	-57.4		4	61	351	3			
100	16397	3	-60.7		5	49	227	4	100	16327	2	-57.9		4	70	231	4	100	16392	1	-60.1		1	73	279	8			
150	13861	3	-58.8		3	64	219	9	150	13763	2	-56.5		4	76	248	9	150	13855	1	-58.9		2	74	265	13			
200	12060	2	-58.9		2	69	203	14	200	11944	1	-57.5		3	79	252	12	200	12060	1	-59.3		1	77	264	19			
300	9425	2	-41.3		2	63	205	10	300	9324	1	-44.4		3	63	243	10	300	9424	1	-40.9		1	77	262	15			
500	5745	0	-13.0	12.1	0	49	217	4	500	5695	1	-17.0	12.3	1	75	255	9	500	5738	0	-13.2	13.2	0	67	263	10			
700	3093	0	4.3	8.1	0	34	216	3	700	3081	1	0.2	11.8	1	64	243	5	700	3092	0	2.7	9.6	0	66	251	7			
850	1480	0	13.6	7.2	0	43	210	4	850	1497	1	8.4	7.7	1	30	226	1	850	1492	0	11.0	8.6	0	48	239	4			
916	* 849	11.9	2.0						969	*	405	10.0	3.8					978	*	312	9.9	3.0							
N AMERICA - USA INT. FALLS/FALLS INT., MN. 4834N 09323W OB 2																													
030	23999	.7	-53.3		8	45	48	2	030	23991	9	-53.4		9	65	22	3	030	23966	9	-54.6		6	12	24	1			
050	20731	6	-56.8		6	60	338	3	050	20729	6	-56.9		7	52	1	3	050	20723	6	-56.6		4	64	250	6			
100	16357	3	-58.1		3	81	281	10	100	16366	5	-58.2		5	65	276	6	100	16341	4	-56.8		4	75	249	12			
150	13796	3	-56.8		3	83	269	17	150	13804	4	-58.0		5	69	253	12	150	13762	3	-55.9		5	71	248	14			
200	11991	2	-59.3		2	81	270	23	200	12007	2	-59.9		4	71	249	16	200	11944	3	-59.2		3	73	245	15			
300	9360	2	-41.9		2	78	270	19	300	9386	1	-41.8		1	72	252	13	300	9332	3	-44.0		3	73	245	15			
500	5689	1	-14.5	10.4	1	75	271	13	500	5711	0	-13.9	12.7	0	70	249	8	500	5684	0	-15.8	12.2	1	76	252	10			
700	3060	1	0.6	11.9	1	55	268	7	700	3070	0	2.5	8.1	0	47	255	4	700	3061	0	0.4	8.4	1	75	262	7			
850	1477	1	7.8	9.6	1	22	245	2	850	1471	0	11.0	8.8	0	16	259	1	850	1471	0	11.1	10.7	1	63	251	5			
972	* 361	7.9	3.9						954	*	506	10.5	2.7					886	*	1115	9.3	6.1							
N AMERICA - USA SPOKANE/INT., WA. 4738N 11732W OB 2																													
030	23961	6	-55.2		6	84	56	4	030	24018	12	-53.8		9	40	180	1	030	20799	8	-55.8		9	54	54	2			
050	20715	6	-56.2		6	46	37	2	050	20707	9	-55.9		6	90	235	9	050	20635	4	-62.4		6	87	299	10			
100	16313	6	-56.1		6	74	241	6	100	16285	5	-55.0		5	93	246	13	100	16027	4	-61.1		5	92	281	16			
150	13718	4	-54.0		5	84	235	11	150	13682	4	-53.1		5	89	248	16	150	14027	4	-57.2		5	74	284	12			
200	11886	3	-56.5		4	83	236	16	200	11829	3	-53.9		5	89	248	18	200	12231	4	-58.0		5	62	296	8			
300	9262	2	-45.0		2	86	229	22	300	9199	1	-46.1		2	82	247	18	300	9557	4	-38.0		5	62	296	8			
500	5651	0	-18.6	10.7	0	82	235	12	500	5614	0	-20.4	14.9	0	79	243	12	500	5823	5	-10.3	16.3	5	50	305	4			
700	3054	0	-1.7	10.5	1	73	241	7	700	3036	0	-3.7	13.6	0	73	236	8	700	3148	4	5.2	15.5	5	39	331	2			
850	1476	0	9.3	12.1	2	50	239	3	850	1477	0	4.6	11.6	0	61	224	4	850	1543	4	11.2	9.1	5	24	54	1			
930	* 721	9.0	5.3						1009	*	62	7.2	1.3					1016	*	6	21.2	5.2							
N AMERICA - BAHAMAS NASSAU AIRPORT 2503N 07728W OB 2																													
030	22067	2	-60.6		2	78	71	6	030	23922	4	-53.0		5	99	92	16	030	23931	9	-5								

N AMER-PANAMA

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND								
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED			
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps			
N AMERICA - PANAMA HOWARD AFB 0859N 07933W OB 2																													
030									030									030											
050									050									050											
100									100									100											
150	14272	15	-67.0						150	14243	1	-66.5						150											
200	12479	11	-52.6						200	12446	1	-52.4						200											
300	9723	9	-29.7	10.9	1	60	161	3	300	9698	1	-30.8	10.9	1	94	276	14	300											
500	5883	8	-4.5	7.6	8	44	143	2	500	5881	1	-5.8	10.7	1	82	269	6	500											
700	3152	9	10.7	5.2	8	64	88	3	700	3163	0	9.6	9.3	0	29	173	1	700											
850	1504	8	18.2	2.3	7	88	31	5	850	1529	0	16.5	3.0	0	76	132	4	850											
1029	*	69	23.7	1.1				1013	*	8	26.1	2.7					1011	*	15	27.0	2.9								
N AMERICA - CURACAO AND BONAIRE HATO AIRPORT, CURACAO 1212N 06858W OB 3																													
030	23950	0	-54.9			9	99	90	21	030	23821	8	-54.8			8	94	90	28	030	23846	9	-56.0			9	99	89	24
050	20742	0	-63.0			8	97	84	11	050	20623	6	-65.5			7	98	90	19	050	20650	7	-64.3			7	99	90	16
100	16662	0	-79.0			2	85	273	6	100	16576	2	-80.8			3	60	288	5	100	16605	5	-80.4			5	83	275	6
150	14290	0	-66.4			0	80	255	10	150	14237	2	-66.5			2	26			150	14266	3	-67.8			3	48	275	5
200	12488	0	-52.1			0	79	245	8	200	12438	2	-52.4			2	39	86	3	200	12475	2	-52.8			2	68	230	5
300	9732	0	-30.0	10.8	0	63	241	5	300	9687	2	-30.5	9.5	2	62	121	5	300	9728	2	-30.9	12.5	2	16	215	2			
500	5894	0	-4.7	10.2	0	53	161	3	500	5861	1	-5.0	6.5	1	79	106	6	500	5901	2	-5.2	11.0	2	73	135	4			
700	3162	0	10.6	6.7	0	77	131	4	700	3149	10	7.7	2.0	1	76	117	3	700	3181	2	9.6	6.0	2	78	130	5			
850	1513	0	19.8	5.1	0	85	119	6	850	*2548	10	1.7	1.2					850	1543	2	17.9	3.2	2	85	125	5			
1004	*	62	27.6	3.4				1013	*	16	24.7	4.7					965	*	437	24.5	3.3								
S AMERICA - FRENCH GUIANA CAYENNE/ROCHAMBEAU 0450N 05222W OB 2																													
030	23801	6	-57.2			9	99	89	28	030	23894	3	-55.7			3	98	91	25	030	23801	15	-54.1			9	99	89	24
050	20641	2	-67.9			4	96	85	15	050	20707	3	-66.6			2	97	91	17	050	20615	12	-65.7			7	99	90	16
100	16647	2	-79.8			3	75	262	7	100	16703	1	-80.8			0	79	250	8	100	16566	4	-78.8			5	83	275	6
150	14281	2	-66.0			3	51	280	4	150	14323	2	-64.9			0	45	232	5	150	14237	4	-68.0			4	48	275	5
200	12477	2	-51.6			3	23	290	2	200	12510	1	-51.3			0	32	198	3	200	12450	4	-53.6			3	48	275	5
300	9717	1	-29.7	11.7	2	71	89	5	300	9745	1	-30.2	16.2	0	56	116	5	300	9718	5	-29.4	23.5							
500	5880	1	-4.8	8.7	2	94	91	9	500	5902	1	-4.6	14.3	1	89	94	8	500	5882	4	-4.2	20.2							
700	3156	0	9.8	5.8	1	96	96	9	700	3173	1	9.9	10.5	0	89	91	8	700	3163	4	10.5	10.9							
850	1516	0	17.8	3.4	1	95	101	9	850	1531	1	18.0	4.8	0	95	106	9	850	1522	5	18.4	5.5							
1011	*	9	24.6	0.6	1	95	101	9	1011	*	16	24.7	4.7					1009	*	19	27.5	4.2							
S AMERICA - BRAZIL CAROLINA 0720S 04728W OB 2																													
030									030									030											
050									050									050											
100									100	16633	13	-79.6			9	48	268	5	100	16655	15	-78.3			9	65	235	7	
150									150	14262	11	-65.4			9	33	235	4	150	14215	15	-65.4			9	62	266	8	
200									200	12456	12	-51.9			9	42	200	4	200	12452	14	-52.0			9	43	280	5	
300									300	9700	9	-30.7			8	40	173	4	300	9724	13	-30.0			9	50	236	5	
500									500	5884	7	-5.7			6	10	52	1	500	5899	13	-5.2	17.8	9	18	114	1		
700	3170	14	9.7	9.6	9	99	114	8	700	3165	7	9.9	15.0	6	77	97	5	700	3173	13	10.0	10.1	9	50	132	3			
850	1533	14	18.4	8.7	9	99	106	8	850	1532	7	17.0	6.4	6	75	101	5	850	1534	13	17.7	5.0	9	67	150	4			
991	*	192	27.2	8.8				1013	*	7	27.9	4.3					972	*	370	26.1	5.0								
S AMERICA - BRAZIL BRASILIA (AEROPORTO) 1552S 04756W OB 2																													
030	23974	10	-52.4			9	97	79	18	030	23998	13	-52.1						030										
050	20768	9	-61.2			9	87	91	10	050	20728	12	-58.6						050										
100	16664	7	-78.8			9	87	261	18	100	16574	9	-76.3						100										
150	14279	6	-65.5			5	93	253	27	150	14187	8	-64.9						150										
200	12472	6	-52.6			5	88	258	23	200	12388	8	-54.0			9	91	277	37	200									
300	9729	6	-31.9	16.0	5	76	265	14	300	9656	8	-34.0	16.7	9	76	277	22	300											
500	5906	6	-6.0	17.0	5	63	254	5	500	5865	8	-7.5	17.5	9	87	274	14	500	5867										

S AMER-BRAZIL

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	STEADNESS %	DIRECTION	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	STEADNESS %	DIRECTION	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	DIRECTION	SPEED mps	
S AMERICA - BRAZIL GALEAO 2249S 04315W 0B 2																										
S AMERICA - BRAZIL SAO PAULO (AEROPORTO) 2337S 04639W 0B 2																										
030	23998	8	-52.1						030	23953	7	-53.7						030	24066	7	-50.1					
050	20750	6	-59.7						050	20718	5	-60.3						050	20779	6	-57.5					
100	16557	5	-72.8						100	16534	1	-73.1						100	16521	5	-69.4					
150	14174	5	-64.2						150	14116	1	-64.7						150	14069	4	-62.9					
200	12339	4	-54.1						200	12316	1	-54.3						200	12267	4	-54.3					
300	9624	4	-34.2	13.5	9	91	275	26	300	9603	1	-34.3	12.2	9	92	276	29	300	9559	4	-35.4	13.6	9	92	270	28
500	5849	4	-8.6	16.0	7	94	274	18	500	5833	1	-9.0	13.4	4	91	281	21	500	5813	4	-10.4	13.5	5	90	271	19
700	3160	4	6.2	9.7	5	91	281	11	700	3141	1	6.4	10.7	2	85	288	12	700	3133	3	5.2	14.6	2	88	281	11
850	1538	4	14.7	4.8	5	64	308	5	850	1522	1	13.3	3.7	1	44	329	4	850	1522	3	11.3	6.1	2	60	306	5
1011	*	6	21.7	3.4					926	* 803		16.7	3.4					914	* 908		12.2	2.6				
S AMERICA - BRAZIL PORTO ALEGRE (AEROPORTO) 3000S 05111W 0B 2																										
S AMERICA - CHILE ANTOFAGASTA 2326S 07027W 0B 2																										
030	23950	6	-53.8						030	23917								030	23877	5	-54.0					
050	20704	5	-58.5						050	20678	7	-54.4						050	20629	1	-58.7					
100	16420	4	-64.9						100	16484	5	-69.7						100	16330	1	-61.6					
150	13917	4	-60.2						150	14047	2	-64.2						150	13783	1	-57.2					
200	12101	4	-53.9						200	12248	2	-54.5						200	11955	1	-55.5					
300	9406	4	-39.2	13.2	9	92		34	300	9545	1	-36.4	16.5	6	95	263	30	300	9324	1	-43.5					
500	5702	4	-15.2	12.8	9	89	246	18	500	5803	0	-9.8	20.9	1	94	275	19	500	5699	0	-18.0	18.5	0	71	281	11
700	3085	4	1.4	15.2	9	80	245	10	700	3115	0	7.5	24.8	0	90	313	8	700	3093	0	-0.3	22.6	0	85	331	8
850	1501	4	7.4	6.5	9	50	283	6	850	1492	0	14.3	16.2	0	63	5	3	850	1511	0	8.7	17.9	1	40	345	3
1017	*	3	14.2	2.8					1001	* 140		14.0	3.2					1018	*	2	9.3	1.4				
S AMERICA - CHILE PUNTA ARENAS 5300S 07051W 0B 2																										
ANTARCTICA - UNITED KINGDOM HALLEY 7530S 02639W 0B 3																										
ANTARCTICA - FRANCE DUMONT D'URVILLE 6640S 14001E 0B 1																										
030	23518								030									030								
050	20300	5	-57.5	23.6	5	95	254	20	050									050								
100	15919	2	-55.7	22.5	2	91	248	19	100									100	15210	6	-61.4					
150	13341	1	-55.0	19.5	2	88	252	20	150									150	12695	1	-58.1					
200	11517	0	-57.1	15.9	1	81	248	21	200									200	10879	1	-57.3					
300	8923	0	-49.9	11.0	0	73	248	20	300									300	8327	0	-56.8					
500	5412	0	-25.3	10.8	0	77	252	15	500									500	4944	0	-36.0	6.8	2	67	270	8
700	2886	0	-9.0	8.0	0	63	239	13	700									700	2542	0	-22.5	6.9	1	29	217	3
850	1363	0	-0.5	5.1	1	88	239	12	850									850	1105	0	-5.8	8.1				
1009	*	5	27.3	6.7					1005	* 57		26.2	2.3					1006	* 1494	0	18.9	4.4	0	49	122	2
SW PACIFIC - MALAYSIA(PENIN. MALAYSIA) KOTA BHARU 0610N 10217E 0B 3																										
SW PACIFIC - MALAYSIA(PENIN. MALAYSIA) KUALA LUMPUR/PETALING JAYA 0306N 10139E 0B 3																										
030	23778	14	-55.6						030	23778	14	-55.6						030	23778	14	-55.6					
050	20598	13	-67.6						050	20598	13	-67.6						050	20598	13	-67.6					
100	16611	5	-81.3						100	16611	5	-81.3	1.1					100	16611	5	-81.3	1.1				
150	14257	2	-67.3						150	14257	2	-67.3						150	14257	2	-67.3					
200	12463	1	-52.5						200	12463	1	-52.5	8.7	2				200	12463	1	-52.5	8.7	2	31	60	3
300	9707	0	-29.8						300	9707	0	-29.8	7.3	1	17			300	9707	0	-29.8	7.3	1	17	138	2
500	5867	0	-4.5						500	5867	0	-4.5	5.5	0				500	5867	0	-4.5	5.5	0	28	99	2
700	3140	0	10.4						700	3140	0	10.4	5.0	0				700	3140	0	10.4	5.0	0	45	93	2
850	1494	0	18.9						850	1494	0	18.9	4.4	0				850	1494	0	18.9	4.4	0	49	122	2
1006	*	16	28.7						1006	* 16		28.7	3.5					1006	* 16		28.7	3.5				
SW PACIFIC - USA (PACIFIC OCEAN NORTH) MIDWAY ISLAND 2813N 17722W 0B 2																										
SW PACIFIC - USA (PACIFIC OCEAN NORTH) LIHUE, KAUAI, HAWAII 2159N 15921W 0B 2																										
030	23880	5	-54.0						030	23880	5	-54.0														

SW PAC-USA

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND								
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	%	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	%	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	%	STEADINESS	DIRECTION	SPEED
mb	gpm		°C	°C				°	mps	mb	gpm		°C	°C				°	mps	mb	gpm		°C	°C			%	°	mps
SW PACIFIC - USA (PACIFIC OCEAN NORTH) TRUK, CAROLINE IS. 0728N 15151E 0B 1																													
SW PACIFIC - SOLOMON ISLANDS HONIARA 0925S 15958E 0B 1																													
030	23909	6	-54.5		9	99	91	27		030	23806	7	-56.3			99	92	15	030	23849	0	-54.9	30.4	0	99	85	16		
050	20729	4	-65.5		6	99	92	16		050	20631	7	-65.7			97	84	9	050	20654	0	-64.9	24.9	0	96	91	9		
100	16676	2	-78.1		5	44	262	3		100	16307	7	-79.9			32	267	1	100	16616	0	-49.7	14.4	0	65	293	7		
150	14305	2	-66.4		2	74	244	9		150	13885	7	-67.9			24	307	2	150	14251	0	-61.6	13.6	0	88	291	15		
200	12504	2	-52.2		2	82	231	9		200	12467	7	-52.9			9	47	340	3	200	12456	0	-52.6	14.4	0	89	289	16	
300	9744	2	-29.5	12.7	3	67	259	5		300	9716	7	-29.9			7	27	31	2	300	9706	0	-30.8	17.9	0	80	288	11	
500	5897	1	-4.2	15.7	2	23	28	1		500	5881	7	-4.3	10.1	6	63	90	4		500	5883	0	-4.8	18.7	0	41	272	3	
700	3169	2	10.6	9.9	3	17	72	1		700	3154	7	10.3	7.8	6	77	103	4		700	3159	0	10.3	16.2	0	17	77	1	
850	1524	1	17.9	4.3	3	81	67	4		850	1511	7	18.1	4.7	5	89	109	5		850	1552	0	16.0	3.8	0	83	93	6	
1011	*	2	28.8	4.6						1004	*	56		29.0	5.5					1011	*	21		27.1	5.1				
SW PACIFIC - NEW ZEALAND (KIRIBATI) TARAWA 0121N 17255E 0B 1																													
SW PACIFIC - NEW ZEALAND (TUVALU) FUNAFUTI 0831S 17913E 0B 1																													
030	23796	10	-53.8		9	99	92	39		030	23883	6	-51.1			9	97	84	13	030	23899	3	-52.6		6	99	88	13	
050	20604	5	-66.9		7	96	73	36		050	20660	3	-62.9			6	14	317	1	050	20663	1	-61.3		4	88	93	6	
100	16608	3	-82.1		4	49	268	8		100	16590	1	-81.3			1	95	279	24	100	16575	0	-79.1		1	86	269	10	
150	14260	3	-69.1	8.2	3	20	143	5		150	14290	1	-69.7			5	25	354	3	150	14424	0	-67.5		1	93	278	22	
200	12478	3	-53.3	9.5	3	22	127	4		200	12476	0	-53.3			5	29	5	3	200	12435	0	-53.5	11.1	1	91	286	29	
300	9728	3	-30.0	9.4	3	49	133	3		300	9729	0	-30.4	9.5	4	8	351	1		300	9696	0	-31.6	14.2	2	8	270	14	
500	5887	2	-4.8	5.7	3	13	170	1		500	5890	0	-4.7	7.6	3	44	76	3		500	5885	0	-4.8	17.8	0	39	269	4	
700	3160	2	10.4	5.2	0	19	317	2		700	3160	0	10.5	4.8	0	39	80	2		700	3161	0	10.8	16.7	0	39	125	2	
850	1513	2	18.8	3.2	2	37	316	3		850	1511	0	18.8	2.1	3	44	100	3		850	1529	0	15.0	4.8	0	85	104	5	
1010	*	4	29.2	3.4						1010	*	2		29.0	3.1					1012	*	18		28.5	10.7				
SW PACIFIC - USA (SAMOA) PAGO PAGO/INT. ARPT., AM. SAMOA 1420S 17043W 0B 2																													
SW PACIFIC - NEW ZEALAND (COOK ISLANDS) RAROTONGA 2112S 15949W 0B 1																													
030										030	23949	10	-50.8			5	37	76	2	030	23853	22	-54.0		9	100	87	18	
050										050	20684	3	-59.8			5	37	76	2	050	20666	11	-65.9		9	94	86	7	
100	16621	10	-80.4		9	82	266	7		100	16537	2	-75.4			1	95	279	24	100	16644	1	-80.3		1	96	256	5	
150	14269	7	-67.6		7	90	280	13		150	14156	2	-67.3			1	94	274	37	150	14289	0	-66.5		0	49	250	4	
200	12475	7	-52.6		7	86	287	13		200	12367	2	-54.2			1	91	276	35	200	12486	0	-51.4		0	28	213	3	
300	9718	4	-30.3	13.8	4	81	261	10		300	9638	2	-32.6	10.5	0	89	284	27	300	9727	0	-29.6	20.1	0	40	119	4		
500	5884	3	-4.4	16.9	4	61	298	4		500	5834	1	-7.2	9.5	0	90	296	18	500	5882	0	-3.1	24.9	0	89	100	7		
700	3156	3	10.1	10.9	3	64	289	3		700	3138	1	6.5	5.1	0	61	309	5	700	3145	0	11.7	19.6	0	60	108	3		
850	1517	3	16.2	2.7	2	60	111	4		850	1513	1	14.3	2.9	0	27	42	3	850	1505	0	17.2	4.9	0	93	95	5		
1011	*	3	25.9	3.3						1012	*	7		24.9	3.7					1016	*	2		30.3	6.2				
SW PACIFIC - FRENCH POLY. (SOCIETY IS) TAHITI-FAAA 1733S 14937W 0B 1																													
SW PACIFIC - FRENCH POLY. (TAUONA) HAO 1804S 14057W 0B 1																													
030	23862	8	-55.0		9	99	88	12		030	23824	22	-56.2			9	92	80	9	030	23945	18	-53.3		9	72	35	4	
050	20664	3	-64.0		5	69	81	4		050	20624	11	-64.4			9	74	103	4	050	20706	8	-61.7		9	62	293	4	
100	16621	1	-79.4		2	94	270	11		100	16606	2	-78.8			2	94	267	13	100	16516	2	-70.5		9	98	270	22	
150	14261	0	-66.2		2	93	258	17		150	14242	0	-66.6			0	91	255	20	150	14078	0	-63.3		9	99	273	36	
200	12460	0	-51.8		1	89	265	16		200	12444	0	-52.5			0	88	256	20	200	12273	0	-54.0		9	95	271	35	
300	9904	0	-30.0	12.4	0	88	286	12		300	9699	0	-30.9	16.3	0	23	272	12	300	9557	0	-33.9	9.7	8	95	282	31		
500	5875	0	-4.9	14.0	0	86	298	7		500	5876	0	-4.6	19.1	0	71	271	5	500	5789	0	-9.1	14.7	3</					

SW PAC-N ZEALAND

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED
mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps	mb	gpm	
SW PACIFIC - NEW ZEALAND CAMPBELL ISLAND 5233S 1690E 0B 1																										
030	23477	8	-58.8		9	97	272	32	030	23802	1	-46.8	31.3	2	95	262	18	030	20690	2	-62.1		2	97	87	11
050	20275	2	-58.0		2	96	266	36	050	20554	1	-52.2	29.7	2	96	257	17	050	20690	2	-62.1		2	97	270	8
100	15905	1	-57.2		1	94	267	28	100	16172	1	-57.7	28.2	1	93	257	20	100	16151	0	-78.5		0	74	262	14
150	13340	1	-57.4		1	93	267	31	150	13618	1	-58.2	23.0	1	89	256	24	150	14252	0	-67.5		0	93	260	12
200	11538	1	-60.2		1	89	266	32	200	11815	1	-59.7	15.4	1	80	253	22	200	12461	0	-53.2		0	83	260	12
300	8965	1	-49.9		1	84	265	29	300	9220	1	-46.5	12.3	1	76	258	20	300	9717	0	-30.6		0	54	260	6
500	5433	1	-24.0	10.3	1	88	267	26	500	5629	1	-19.5	14.8	1	79	258	14	500	5891	0	-5.0	14.7	0	13	317	1
700	2883	1	-8.7	9.8	1	87	268	20	700	3045	1	-2.9	16.9	1	71	251	10	700	3171	0	10.1	14.3	0	64	113	3
850	1367	1	-1.5	3.3	1	87	269	18	850	1486	1	3.1	7.9	1	62	258	8	850	1536	0	17.1	6.6	0	96	106	8
1004	*	19	7.5	3.2				1013	*	48	12.0	1.7					1011	*	30	24.7	5.7					
SW PACIFIC - AUSTRALIA GOVE AIRPORT 1216S 13649E 0B																										
030	20633	7	-62.9		4	97	88	11	030	20682	10	-60.5		9	83	98	6	030	20667	5	-61.9		2	87	94	5
050	16574	0	-79.6		0	90	266	9	100	16562	6	-75.5		0	95	264	15	100	16547	2	-75.4		0	93	284	13
100	14227	0	-68.2		0	90	268	12	150	14180	5	-66.8		0	97	266	25	150	14159	2	-66.6		0	94	284	23
150	12444	0	-53.7		0	93	274	12	200	12390	5	-53.8		0	95	265	26	200	12372	1	-54.7		0	93	277	23
300	9704	0	-31.1		0	59	267	6	300	9663	5	-32.6		0	93	271	18	300	9678	1	-33.6		0	89	270	18
500	5885	0	-5.1	20.5	0	32	93	2	500	5866	5	-6.8	16.2	0	85	277	9	500	5869	0	-6.7	22.3	0	88	272	9
700	3169	0	9.7	15.7	0	65	101	4	700	3167	5	7.7	12.9	0	11	346	1	700	3166	0	7.9	14.6	0	30	271	2
850	1535	0	16.4	4.6	0	96	106	10	850	1539	5	17.8	12.3	0	44	94	2	850	1548	0	12.9	4.7	0	88	99	7
1008	*	54	27.3	5.3				1014	*	9	21.1	11.7					1018	*	6	24.2	8.3					
SW PACIFIC - AUSTRALIA WILLIS ISLAND 1618S 14959E 0B																										
030	20661	3	-62.1		4	94	96	8	030	20632	12	-62.0		9	55	103	3	030	20632	1	-74.9		0	95	263	15
050	16571	1	-77.6		1	83	281	10	100	16466	6	-71.0		0	96	265	17	100	16513	1	-64.4		0	95	269	29
100	14201	1	-67.2		1	89	295	20	150	14023	6	-63.0		0	97	270	31	150	14117	1	-64.4		0	97	268	32
150	12414	1	-54.0		1	92	286	18	200	12224	5	-54.7		0	96	271	38	200	12331	1	-54.9		0	96	268	25
300	9685	1	-32.4		1	75	265	11	300	9529	4	-36.6		0	94	275	27	300	9620	1	-33.9		1	95	272	12
500	5882	0	-5.7	24.4	0	53	269	4	500	5807	4	-11.9	12.7	0	60	263	7	500	5843	0	-8.8	12.5	0	85	278	12
700	3164	0	10.0	20.8	0	48	90	2	700	3150	5	4.4	16.9	0	27	225	2	700	3163	0	6.0	9.9	0	39	275	3
850	1537	0	14.6	2.7	0	90	109	6	850	1548	4	12.0	13.7	0	39	136	3	850	1544	0	15.4	13.2	0	62	70	3
1004	*	9	26.6	4.6				1019	*	7	13.5	5.8					1017	*	11	20.1	14.8					
SW PACIFIC - AUSTRALIA ALICE SPRINGS AIRPORT 2348S 13354E 0B																										
030	20665	10	-60.9		49	110	3	030	20643	5	-50.1		2	94	279	11	030	20707	2	-59.6		1	38	66	2	
050	16492	4	-71.3		5	95	275	18	100	16452	5	-73.8		2	96	283	25	100	16489	1	-68.7		1	96	278	20
100	14057	4	-63.9		4	98	270	31	150	14140	5	-65.9		2	97	276	25	150	14027	1	-61.9		1	95	279	35
150	12261	4	-55.2		4	96	264	39	200	12350	5	-54.7		2	94	271	29	200	12218	1	-54.7		0	94	278	39
300	9565	2	-36.2		3	95	271	30	300	9635	5	-34.2		1	96	274	24	300	9528	1	-37.0		0	94	278	32
500	5822	0	-10.2	16.4	1	90	269	13	500	5860	5	-7.3	18.0	3	94	270	13	500	5805	0	-11.5	14.8	0	88	275	15
700	3157	0	4.3	14.4	3	61	223	5	700	3166	5	6.7	17.3	1	54	233	3	700	3153	0	3.1	18.1	1	52	252	4
850	1557	0	9.3	10.7	0	67	116	6	850	1550	5	14.5	11.9	0	54	88	4	850	1562	0	9.4	8.5	0	16	49	1
960	*	544	12.2	8.8				980	*	342	20.2	14.4					988	*	304	16.2	6.7					
SW PACIFIC - AUSTRALIA MOREE 2928S 14951E 0B																										
030	20679	4	-58.9					030	20667	2	-59.8		4	31	34	2	030	20655	5	-59.1		5	67	245	5	
050	16424	0	-65.7		9	95	278	32	100	16452	0	-68.7		2	96	283	25	100	16394	0	-64.4		2	93	263	18
100	13932	0	-59.8		4	92	279	39	150	13990	0	-61.7		2	92	283	38	150	13888	0	-59.4		2	96	265	27
150	12114	0	-54.5		4	92	279	39	200	12181	0	-54.8		2	92	279	39	200	12075	0	-56.3		2	93	263	28
300	9441	0	-39.6		4	88	278	31	300	9496	0	-37.7		0	90	279	33	300	9428	0	-41.7		2	85	256	17
500	5763	0	-15.1		4	75	280	10	500	5786	0	-12.5	15.0	1	92	283	16	500	5773	0	-15.2	15.2	0	72	248	8
700	3139	0	1.1																							

SW PAC-AUSTRALIA

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN °C	Dew Point °C	Missing Days	Steadiness %	Direction °	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	Dew Point °C	Missing Days	Steadiness %	Direction °	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	Dew Point °C	Missing Days	Steadiness %	Direction °	SPEED mps
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps
SW PACIFIC - AUSTRALIA KALGOORLIE AIRPORT 3046S 12127E OB								SW PACIFIC - AUSTRALIA ESPERANCE 3349S 12153E OB								SW PACIFIC - AUSTRALIA FORREST AIRPORT 3050S 12806E OB										
030								030								030										
050								050	20652	6	-59.1					050	20673	19	-52.7							
100								100	16352	1	-62.6					100	16399	0	-64.0							
150								150	13828	0	-60.3					150	13890	0	-58.7							
200	12062	13	-54.6					200	12017	0	-56.5					200	12072	0	-55.4							
300	9424	4	-41.1					300	9375	0	-42.7					300	9313	0	-40.6							
500	5763	4	-15.0					500	5734	0	-15.9	15.6				500	5746	0	-15.6	15.9						
700	3137	4	1.3					700	3118	0	-0.2	16.2				700	3128	0	0.1	18.3						
850	1557	4	5.9	8.3				850	1545	0	5.8	7.8				850	1552	0	5.9	8.6						
982	* 360		6.9	2.5				1021	*	26	11.0	2.7				1006	*	160		8.6	2.7					
SW PACIFIC - AUSTRALIA WOOMERA AERODROME 3109S 13648E OB 1								SW PACIFIC - AUSTRALIA ADELAIDE AIRPORT 3456S 13831E OB								SW PACIFIC - AUSTRALIA COBAR 3129S 14549E OB										
030								030								030										
050	20675	1	-58.2					050	20650	10	-58.7					050										
100	16386	0	-63.4					100	16337	5	-60.6					100	16383	7	-64.1							
150	13874	0	-58.2					150	13783	0	-56.0					150	13873	7	-58.0							
200	12044	0	-55.1					200	11951	0	-54.9					200	12038	6	-54.7							
300	9387	0	-41.3					300	9312	0	-44.1					300	9386	6	-42.3							
500	5737	0	-16.4	6.6	0			500	5697	0	-18.0	14.9	0			500	5742	6	-7.0	15.4	2	77	271	11		
700	3127	0	-0.4	17.3	0			700	3103	0	-2.4	11.1	0			700	3133	6	-0.3	18.5	1	66	265	6		
850	1554	0	6.1	7.5	0			850	1540	0	4.5	5.3	1			850	1560	6	6.6	8.5	1	28	254	2		
1005	* 167		12.3	3.7				1023	*	4	13.5	3.6				994	*	265		13.1	5.6					
SW PACIFIC - AUSTRALIA WILLIAMSTOWN AERODROME 3247S 15149E OB								SW PACIFIC - AUSTRALIA ALBANY AIRPORT 3457S 11748E OB 1								SW PACIFIC - AUSTRALIA MT GAMBIER AIRPORT 3744S 14047E OB										
030								030								030										
050	20637	8	-58.9					050	20620	6	-58.8					050										
100	16356	2	-62.8					100	16324	1	-62.4					100										
150	13837	2	-58.1					150	13804	1	-59.2					150	13693	0	-55.4		1	87	63	36		
200	12010	0	-54.7					200	12000	1	-58.4					200	11857	0	-55.9		1	74	269	19		
300	9354	0	-42.4					300	9374	1	-43.3					300	9240	0	-46.2		2	54	278	12		
500	5724	0	-17.5	14.0	1			500	5736	0	-16.1	14.7	0			500	5653	1	-19.7	11.6	0	49	271	8		
700	3120	0	1.1	15.4	1			700	3119	0	0.5	20.5	0			700	3072	0	-3.5	12.3	1	54	279	7		
850	1548	0	7.2	6.5	2			850	1547	0	5.8	9.0	0			850	1516	0	3.4	4.9	0	58	281	6		
1022	* 11		14.5	1.9				1015	*	69	10.6	2.3				1013	*	69		11.2	1.8					
SW PACIFIC - AUSTRALIA WAGGA AIRPORT 3509S 14727E OB								SW PACIFIC - AUSTRALIA HOBART AIRPORT 4250S 14730E OB								SW PACIFIC - AUSTRALIA (ADDITIONAL IS.) LORD HOWE ISLAND 3131S 15905E OB										
030								030								030										
050								050	20505	9	-57.0					050										
100	16306	2	-60.4					100	16118	1	-58.0					100	16410	4	-64.2		6	93	288	19		
150	13765	2	-56.3					150	13558	1	-56.1					150	13910	3	-59.7		5	93	286	33		
200	11928	2	-54.3					200	11736	1	-58.6					200	12088	2	-54.3		3	92	285	37		
300	9021	2	-42.9					300	9145	0	-48.6					300	9425	1	-40.3		3	90	287	30		
500	5695	2	-19.2	13.2	0			500	5595	0	-22.3	10.2	0			500	5759	1	-15.2	11.3	1	82	292	13		
700	3107	2	-2.4	14.4	1			700	3034	0	-4.6	11.9	0			700	3138	0	1.0	13.2	0	58	290	5		
850	1547	2	4.5	5.5	3			850	1480	0	3.6	6.6	0			850	1558	0	7.8	3.9	0	16	344	2		
999	* 213		10.0	3.1				1017	*	3	9.9	3.4				1017	*	46		19.9	5.2					
SW PACIFIC - AUSTRALIA (ADDITIONAL IS.) MACQUARIE ISLAND 5429S 15856E OB 1								SW PACIFIC - AUSTRALIA (ADDITIONAL IS.) NORFOLK ISLAND AIRPORT 2902S 16756E OB								SW PACIFIC - MALAYSIA (SABAH & SARAWAK) KUCHING 0129N 11020E OB 3										
030	23339	10	-59.2					030	23885	11	-52.9					030	23773	27	-53.3		9	99	90	26		
050	20159	7	-58.8					050	20644	3	-60.4					050	20574	27	-65.1		9	98	91	20		
100	15804	2	-57.0		3			100	16444	1	-69.0		0			100	16554	8	-81.7		9	6	17	1		
150	13248	0	-57.3		1			150	13983	0	-61.9		0			150	14213	6	-69.1		9	24	23	2		
200	11440	0	-60.1		1			200	12176	0	-55.2		0			200	12429	6	-54.0		9	13	104	1		
300	8870	0	-50.2		0			300	9502	0	-38.6		0			300	9691	6	-31.5	9.6	9	22	67	2		
500	5356	0	-25.0	8.8	1			500	5799	0	-12.6	15.3	0			500	5870	5	-6.0	6.6	9	55	85	2		
700	2829	0	-9.4	8.8	1			700	3157	0	2.7	18.1	0			700	3153	3	9.3	4.6	9	38	92	2		
850	1312	0	-2.3	6.0	0			850	1566	0	8.4	4.9	0			850	1511	3	17.9	2.8	9	19	24	1		
1000	* 6		4.4	2.2				1011	*	109	20.0	5.3				1008	*	27		25.5	1.4					

SW PAC-MALAYSIA

UPPER AIR

MAY 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND									
PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point Depression	MISSING DAYS	% STEADINESS	° DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point Depression	MISSING DAYS	% STEADINESS	° DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point Depression	MISSING DAYS	% STEADINESS	° DIRECTION	SPEED				
mb	gpm		°C	°C				mps	mb	gpm		°C	°C			%	°	mps	mb	gpm		°C	°C			mps				
SW PACIFIC - MALAYSIA(SABAH & SARAWAK)									SW PACIFIC - MALAYSIA(SABAH & SARAWAK)									SW PACIFIC - MALAYSIA(SABAH & SARAWAK)												
BINTULU									KOTA KINABALU									TAWAU												
0312N 11302E 0B 3									0556N 11603E 0B 3									0416N 11753E 0B 1												
030	23672	-54.1			9	90	90	15	030	23898	-66.5							030	23891	26	-52.8									
050	20596	21	-65.9		9	16	130	1	050	20707	-65.4							050	20760	19	-65.4									
100	16571	7	-80.7		9	100	330	2	100	16679	13	-79.5						4	10	43	3	100	16686	16	-78.7					
150	14223	5	-68.4		7	100	330	2	150	14285	2	-64.3						9	30	52	2	150	14289	9	-63.5					
200	12437	4	-53.7		9	18	205	2	200	12472	2	-50.9						7	10	255	1	200	12471	6	-50.9					
300	9693	2	-31.0	11.4	9	8	16	1	300	9761	2	-29.9	9.0					3	15	71	1	300	9717	5	-30.4	11.4				
500	5869	1	-6.0	8.0	9	56	76	3	500	5879	2	-4.9	8.6					2	75	94	4	500	5887	2	-4.8	9.2				
700	3151	1	9.3	5.7	9	54	66	2	700	3153	2	10.5	6.0					2	85	91	4	700	3162	2	10.0	5.3				
850	1509	1	18.3	4.1	9	19	324	1	850	1509	2	19.0	3.3					2	51	.90	2	850	1520	2	18.6	4.1				
1010	*	5	25.6	2.3					1010	*	3	27.7	3.4																	
SW PACIFIC - ISLANDS									COCOS ISLAND AIRPORT									1211S 09649E 0B												
030																														
050	20608	14	-63.6																											
100	16552	6	-79.5																											
150	14200	6	-67.9		9	89	267	13																						
200	12413	6	-53.7		6	77	266	10																						
300	9678	5	-31.2		5	80	245	9																						
500	5863	5	-5.5	11.1	6	33	213	2																						
700	3147	5	9.1	5.5	4	47	71	2																						
850	1510	5	17.7	3.0	4	83	86	5																						
1010	*	3	26.2	2.5																										

EUROPE-YUGOSLAVIA

UPPER AIR LATE REPORTS

STATION LIST RECENT DATA

47409	C	ABASHIRI	JAPAN.	44288	C	ARBAIHER	MONGOLIA
03091	C	ABERDEEN/DYCE	U KINGDOM	84752	C	AREQUIPA	PERU
41112	C	ABHA	SAUDI ARABIA	22550	CT	ARHANGEL'SK	USSR
72266	C	ABILENE, TX.	USA	85406	C	ARICA	CHILE
41216	C	ABU DHABI BATEEN AIRPORT	U ARAB EMIRATES	47407	C	ASAHIKAWA	JAPAN
41217	CT	ABU DHABI INT. AIRPORT	U ARAB EMIRATES	38880	CT	ASHABAD	USSR
62640	C	ABU HAMED	SUDAN	72315	C	ASHEVILLE/REG., NC	USA
62795	C	ABU NA'AMA	SUDAN	63021	CT	ASMARA	ETHIOPIA
78650	C	ACAJUTLA	EL SALVADOR	62414	C	ASSWAN	EGYPT
17352	CT	ADANA	TURKEY	72791	C	ASTORIA/CLATSOP, OR.	USA
63450	C	ADDIS ABABA	ETHIOPIA	34880	C	ASTRAHAN'	USSR
94672	CT	ADELAIDE AIRPORT	AUSTRALIA	86218	C	ASUNCION/AEROPUERTO	PARAGUAY
41467	C	ADEN KHORMAKSAR	DEM YEMEN	65376	C	ATAKPAME	TOGO
60620	C	ADRAR	ALGERIA	61421	C	ATAR	MAURITANIA
76644	C	AEROP. INT. MERIDA, YUC.	MEXICO	62680	C	ATBARA	SUDAN
87582	C	AEROPARQUE	ARGENTINA	16716	C	ATHENS(HELLINIKON)	GREECE
17190	C	AFYON	TURKEY	16714	C	ATHINAI/OBSERVATORY	GREECE
61024	C	AGADEZ	NIGER	72219	C	ATLANTA/MUN., GA.	USA
60250	C	AGADIR	MOROCCO	72407	C	ATLANTIC CITY, NJ.	USA
61974	C	AGALEGA	MAURITIUS	91925	CT	ATUONA	FRENCH POLY.
42261	C	AGRA	INDIA	93119	C	AUCKLAND AIRPORT	N ZEALAND
42647	CT	AHMADABAD	INDIA	03322	T	AUGHTON	U KINGDOM
60560	C	AIN SEFRA	ALGERIA	72218	C	AUGUSTA/BUSH FIELD, GA.	USA
61499	C	AJOUN EL ATROUSS	MAURITANIA	72254	C	AUSTIN/ROBERT MUELLER., TX.	USA
07761	CT	AJACCIO	FRANCE	84673	C	AYACUCHO	PERU
31168	C	AJAN	USSR	87642	C	AZUL AERO	ARGENTINA
47582	CT	AKITA	JAPAN	08329	C	BADAJOZ	SPAIN
61437	C	AKJOUJT	MAURITANIA	71727	C	BAGOTVILLE, QUE.	CANADA
42933	C	AKOLA	INDIA	98328	C	BAGUIO	PHILIPPINES
72521	C	AKRON/AKRON-CANTON REG., OH.	USA	87750	C	BAHIA BLANCA AERO	ARGENTINA
04063	C	AKUREYRI	ICELAND	41150	C	BAHRAIN MUHARRAQ	BAHRAIN
40420	C	AL AHSA	SAUDI ARABIA	71926	CT	BAKER LAKE, N.W.T.	CANADA
41055	C	AL BAHIA	SAUDI ARABIA	35796	C	BALHAS	USSR
40361	C	AL-JOUF	SAUDI ARABIA	96633	C	BALIKPAPAN/SEPINGGAN	INDONESIA
94802	CT	ALBANY AIRPORT	AUSTRALIA	72406	C	BALTIMORE/BALTIMORE-WAS., MD.	USA
72518	C	ALBANY/ALBANY CO., NY.	USA	61291	T	BAMAKO/SENOU	MALI
06030	C	ALBORG	DENMARK	64660	C	BAMBARI	CENTRAL AFRICAN REP
72365	C	ALBUQUERQUE/INT., NM.	USA	43295	C	BANGALORE	INDIA
31004	CT	ALDAN	USSR	64656	C	BANGASSOU	CENTRAL AFRICAN REP
83931	C	ALEGRETE	BRAZIL	48455	CT	BANGKOK	THAILAND
40007	CT	ALEPO	SYRIAN ARAB REP	64650	CT	BANGUI	CENTRAL AFRICAN REP
71082	CT	ALERT, N.W.T.	CANADA	61701	C	BANJUL/YUNDUM	GAMBIA
68406	CT	ALEXANDER BAY	SOUTH AFRICA	80419	C	BARCELONA	VENEZUELA
61997	C	ALFRED FAURE (ILES CROZET)	FRANCE	08181	C	BARCELONA/AEROPUERTO	SPAIN
16520	C	ALGHERO	ITALY	87765	C	BARILLOCHE AERO	ARGENTINA
08359	C	ALICANTE	SPAIN	29838	C	BARNAUL	USSR
94326	CT	ALICE SPRINGS AIRPORT	AUSTRALIA	82571	C	BARRA DO CORDA	BRAZIL
64662	C	ALINDAO	CENTRAL AFRICAN REP	80091	C	BARRANCABERMEJA/YARIGUIES	COLOMBIA
42475	C	ALLAHABAD/BAMHRAULI	INDIA	80028	C	BARRANQUILLA/ERNESTOCORTISSO	COLOMBIA
72517	C	ALLENTOWN/A.-BETHLEHEM-., PA.	USA	70026	CT	BARROW/W. POST W. ROGERS, AK.	USA
36870	CT	ALMA-ATA	USSR	70086	CT	BARTER ISLAND, AK.	USA
08487	C	ALMERIA/AEROPUERTO	SPAIN	64931	C	BATOURI	REP CAMEROON
44277	C	ALTAY	MONGOLIA	91557	CT	BAUERFIELD (EFATE)	VANUATU
51076	C	ALTAY	CHINA	68728	C	BEAUFORT WEST	SOUTH AFRICA
40270	C	AMMAN AIRPORT	JORDAN	60571	CT	BECHAR	ALGERIA
97240	C	AMPEÑAN/SELAPARANG	INDONESIA	72412	C	BECKLEY(RALEIGH CTY. M.), VA.	USA
42071	C	AMRITSAR	INDIA	54511	CT	BEIJING	CHINA
25563	CT	ANADYR'	USSR	67297	C	BEIRA	MOZAMBIQUE
70273	CT	ANCHORAGE/INT., AK.	USA	60402	C	BEJAIA	ALGERIA
91568	C	ANEITYUM	VANUATU	82191	C	BELEM	BRAZIL
04360	CT	ANGMASSALIK	DENMARK	82193	T	BELEM (AEROPORTO)	BRAZIL
17130	CT	ANKARA/CENTRAL	TURKEY	03917	C	BELFAST/ALDERGROVE AIRPORT	U KINGDOM
60360	C	ANNABA	ALGERIA	43198	C	BELGAUM/SAMBRA	INDIA
70398	C	ANNETTE ISLAND, AK.	USA	78583	C	BELIZE/INT. AIRPORT	BELIZE
84542	C	ANTA (HUARAZ)	PERU	03976	C	BELMULLET	IRELAND
17300	C	ANTALYA	TURKEY	83587	C	BELO HORIZONTE	BRAZIL
67083	CT	ANTANANARIVO/IVATO	MADAGASCAR	40180	C	BEN-GURION INT. AIRPORT	ISRAEL
85442	CT	ANTOFAGASTA	CHILE	60602	C	BENI ABBES	ALGERIA
47575	C	AOMORI	JAPAN	60518	C	BENI-SAF	ALGERIA
98232	C	APARRI	PHILIPPINES	82410	C	BENJAMIN CONSTANT	BRAZIL
80084	C	APARTADO	COLOMBIA	13274	C	BEOGRAD	YUGOSLAVIA
91762	C	APIA	SAMOA	64600	C	BERBERATI	CENTRAL AFRICAN REP
83096	C	ARACAJU	BRAZIL	10384	CT	BERLIN-TEMPELHOF	GERMANY, FED REP
48462	C	ARANYAPRATHET	THAILAND	78016	T	BERMUDA NAVAL AS KINDLEY	USA
40357	C	ARAR	SAUDI ARABIA	40179	T	BET DAGAN	ISRAEL
80099	C	ARAUCA/SANTIAGO PEREZ	COLOMBIA	70219	CT	BETHEL/BETHEL AIRPORT, AK.	USA

STATION LIST RECENT DATA

68461	C	BETHLEHEM AIRPORT	SOUTH AFRICA	80259	C	CALI/PALMASECA	COLOMBIA
42971	CT	BHUBANESWAR	INDIA	71925	CT	CAMBRIDGE BAY,N.W.T.	CANADA
12295	C	BIALYSTOK	POLAND	85315	C	CAMIRI	BOLIVIA
71848	CT	BIG TROUT LAKE,ONT.	CANADA	93944	CT	CAMPBELL ISLAND	N ZEALAND
42165	C	BIKANER	INDIA	83611	C	CAMPO GRANDE	BRAZIL
72677	C	BILLINGS/LOGAN INT., MT.	USA	83612	T	CAMPO GRANDE (AEROPORTO)	BRAZIL
61017	C	BILMA	NIGER	17112	C	CANAKKALE	TURKEY
72515	C	BINGHAMTON/BROOME CO., NY.	USA	84226	C	CANAR	ECUADOR
96441	T	BINTULU	MALAYSIA	94926	C	CANBERRA AIRPORT	AUSTRALIA
61401	C	BIR MOGHREIN	MAURITANIA	72304	C	CAPE HATTERAS, NC.	USA
64658	C	BIRAO	CENTRAL AFRICAN REP	68816	CT	CAPE TOWN (D.F. MALAN)	SOUTH AFRICA
03534	C	BIRMINGHAM/AIRPORT	U KINGDOM	80416	C	CARACAS/LA CARLOTA	VENEZUELA
61075	C	BIRNI-N'KONNI	NIGER	83498	C	CARAVELAS	BRAZIL
41084	C	BISHA	SAUDI ARABIA	03715	C	CARDIFF-WALES AIRPORT	U KINGDOM
60525	C	BISKRA	ALGERIA	38687	C	CARDZOU	USSR
72764	CT	BISMARCK/MUN., ND.	USA	72712	C	CARIBOU/MUN., ME.	USA
15085	C	BISTRITA	ROMANIA	94300	CT	CARNARVON AIRPORT	AUSTRALIA
64510	C	BITAM	GABON	82765	CT	CAROLINA	BRAZIL
01028	CT	BJORNOYA	NORWAY	80022	C	CARTAGENA/CRESPO	COLOMBIA
31510	CT	BLAGOVESCENSK	USSR	78325	C	CASA BLANCA/HABANA	CUBA
68442	CT	BLOEMFONTEIN (J.B.M.HERTZOG)	SOUTH AFRICA	60155	C	CASABLANCA	MOROCCO
74492	C	BLUE HILL OBSER. WB., MA.	USA	72569	C	CASPER/NATRONA COUNTY I., WY.	USA
61881	C	BO	SIERRA LEONE	87222	C	CATAMARCA AERO.	ARGENTINA
65510	C	BOBO-DIOULASSO	BURKINA FASO	16460	C	CATANIA/FONTANAROSSA	ITALY
01152	T	BODO	NORWAY	87763	C	CATEDRAL 2000	ARGENTINA
01152	C	BODO VI	NORWAY	81405	CT	CAYENNE/ROCHAMBEAU	FRENCH GUIANA
30554	C	BOGDARIN	USSR	94653	C	CEDUNA AIRPORT	AUSTRALIA
80222	CT	BOGOTA/ELDORADO	COLOMBIA	89055	C	CENTRO MET. ANTARTICO"VICEC.	ARGENTINA
41883	C	BOGRA	BANGLADESH	87257	C	CERES	ARGENTINA
29282	C	BOGUCANY	USSR	84444	C	CHACHAPOYAS	PERU
65338	C	BOHICON	BENIN	87320	C	CHAMICAL AERO	ARGENTINA
72681	C	BOISE/MUN., ID.	USA	48480	C	CHANTHABURI	THAILAND
83288	C	BOM JESUS DA LAPA	BRAZIL	72414	C	CHARLESTON/KANAWHA, WV.	USA
43057	C	BOMBAY/COLABA	INDIA	72208	C	CHARLESTON/MUN., SC.	USA
43003	T	BOMBAY/SANTACRUZ	INDIA	94510	CT	CHARLEVILLE AIRPORT	AUSTRALIA
31253	C	BOMNAK	USSR	99030	CT	CHARLIE	OCEAN WEATHER STATIO
23884	C	BOR	USSR	72314	C	CHARLOTTE/DOUGLAS, NC.	USA
91930	C	BORA-BORA	FRENCH POLY.	93986	CT	CHATHAM ISLAND	N ZEALAND
07510	CT	BORDEAUX/MERIGNAC	FRANCE	71717	C	CHATHAM,N.B.	CANADA
60444	C	BORDJ BOU ARRERIDJ	ALGERIA	72324	C	CHATTANOOGA/LOVELL FIELD,TN.	USA
65516	C	BOROMO	BURKINA FASO	11406	C	CHEB	CZECHOSLOVAKIA
64610	C	BOSSANGOA	CENTRAL AFRICAN REP	56294	C	CHENGDU	CHINA
64605	C	BOSSEMEBLE	CENTRAL AFRICAN REP	87322	C	CHEPES	ARGENTINA
72509	C	BOSTON/LOGAN INT., MA.	USA	07024	C	CHERBOURG	FRANCE
64601	C	BOUAR	CENTRAL AFRICAN REP	42515	C	CHERRAPUNJI	INDIA
61296	C	BOUGOUNI	MALI	76750	C	CHEYETUMAL,Q.ROO	MEXICO
07255	C	BOURGES	FRANCE	72564	C	CHEYENNE, WY.	USA
03862	C	BOURNEMOUTH AIRPORT	U KINGDOM	41768	C	CHHOR	PAKISTAN
61461	C	BOUTILIMIT	MAURITANIA	48327	CT	CHIANG MAI	THAILAND
83377	C	BRASILIA	BRAZIL	72530	C	CHICAGO/O'HARE, IL.	USA
83378	T	BRASILIA (AEROPORTO)	BRAZIL	47971	T	CHICHIJIMA	JAPAN
30309	C	BRATSK	USSR	84452	C	CHICLAYO	PERU
64450	C	BRAZZAVILLE/MAYA-MAYA	CONGO	84531	C	CHIMBOTE	PERU
07110	CT	BREST/GUIPAVAS	FRANCE	41978	C	CHITTAGONG (PATENGA)	BANGLADESH
64655	C	BRIA	CENTRAL AFRICAN REP	60425	C	CHLEF	ALGERIA
16320	CT	BRINDISI	ITALY	44259	C	CHOIBALSAN	MONGOLIA
94578	CT	BRISBANE AIRPORT	AUSTRALIA	47648	C	CHOSHI	JAPAN
11723	C	BRNO/TURANY	CZECHOSLOVAKIA	93780	CT	CHRISTCHURCH AIRPORT	N ZEALAND
94203	CT	BROOME AIRPORT	AUSTRALIA	48517	C	CHUMPHON	THAILAND
72250	CT	BROWNSVILLE/INT., TX.	USA	47014	C	CHUNGANG	DPR KOREA
80094	C	BUCARAMANGA/PALONEGRES	COLOMBIA	71913	CT	CHURCHILL,MAN.	CANADA
15420	T	BUCHAREST/IMH	ROMANIA	96805	C	CILACAP	INDONESIA
12843	CT	BUDAPEST/LORINC	HUNGARY	38262	C	CIMBAJ	USSR
12840	C	BUDAPEST/METEOROLOGIA	HUNGARY	72421	C	CINCINNATI/GREATER CIN., OH.	USA
87585	C	BUENOS AIRES (OBS. CENTRAL)	ARGENTINA	30758	CT	CITA	USSR
72528	C	BUFFALO/GREATER BUFFALO, NY.	USA	80444	C	CIUDAD BOLIVAR	VENZUELA
67964	CT	BULAWAYO (GOETZ OBSY.)	ZIMBABWE	15120	CT	CLUJ-NAPOCA	ROMANIA
15655	C	BURGAS	BULGARIA	71090	C	CLYDE,N.W.T.	CANADA
72617	C	BURLINGTON/INT., VT.	USA	82425	C	COARI	BRAZIL
17116	C	BURSA	TURKEY	94711	CT	COBAR	AUSTRALIA
16560	CT	CAGLIARI/ELMAS	ITALY	85041	C	COBIJA	BOLIVIA
94287	C	CAIRNS AIRPORT	AUSTRALIA	85223	C	COCHABAMBA	BOLIVIA
62366	C	CAIRO	EGYPT	43353	T	COCHIN/WILLINGDON	INDIA
84472	C	CAJAMARCA	PERU	64504	C	COCOBEACH	GABON
42807	C	CALCUTTA/ALIPORE	INDIA	96996	CT	COCOS ISLAND AIRPORT	ISLANDS
42809	T	CALCUTTA/DUM DUM	INDIA	94791	C	COFFS HARBOUR AIRPORT	AUSTRALIA

STATION LIST RECENT DATA

21946	C	COKURDAH	USSR	62650	C	DONGOLA	SUDAN
70316	CT	COLD BAY, AK.	USA	65501	C	DORI	BURKINA FASO
43466	C	COLOMBO	SRI LANKA	64910	C	DOUALA OBS.	REP CAMEROON
86560	C	COLONIA	URUGUAY	64910	T	DOUALA R.S.	REP CAMEROON
76458	C	COLONIA JUAN CARRASCO MAZ.	MEXICO	09488	C	DRESDEN-KLOTZSCHE	GERMAN DEM REP
72310	C	COLUMBIA, SC.	USA	03969	C	DUBLIN AIRPORT	IRELAND
72445	C	COLUMBIA/REGIONAL, MO.	USA	52836	C	DULAN	CHINA
72428	C	COLUMBUS/PORT COLUMBUS, OH.	USA	72745	C	DULUTH/INT., MN.	USA
87748	T	COMANDANTE ESPORA B.A.	ARGENTINA	42599	C	DUMKA	INDIA
87860	CT	COMODORO RIVADAVIA AERO	ARGENTINA	89642	CT	DUMONT D'URVILLE	FRANCE
82861	C	CONCEICAO DO ARAGUAIA	BRAZIL	68588	CT	DURBAN (LOUIS BOTHA)	SOUTH AFRICA
85196	C	CONCEPCION	BOLIVIA	42731	C	DWARKA	INDIA
86134	C	CONCEPCION	PARAGUAY	67005	C	DZAOUDZI/PAMANZI (MAYOTTE)	FRANCE
72605	C	CONCORD/MUN., NH.	USA	24143	C	DZARDZAN	USSR
87395	C	CONCORDIA AERO	ARGENTINA	68858	C	EAST LONDON	SOUTH AFRICA
72458	C	CONCORDIA/BLOSSER MUN., KS.	USA	94907	C	EAST SALE AERODROME	AUSTRALIA
15480	T	CONSTANTA	ROMANIA	03160	C	EDINBURGH AIRPORT	U KINGDOM
60419	C	CONSTANTINE	ALGERIA	17050	C	EDIRNE	TURKEY
71938	C	COPPERMINE,N.W.T.	CANADA	71119	T	EDMONTON (STONY PLAIN), ALTA	CANADA
71915	CT	CORAL HARBOUR,N.W.T.	CANADA	71879	C	EDMONTON MUNICIPAL ALTA.	CANADA
87344	C	CORDOBA AERO	ARGENTINA	04220	CT	EGEDESMINDE	DENMARK
03955	C	CORK AIRPORT	IRELAND	40199	C	EILAT	ISRAEL
72251	C	CORPUS CHRISTI/INT., TX.	USA	62760	C	EL FASHER	SUDAN
87166	C	CORRIENTES AERO.	ARGENTINA	60590	C	EL GOLEA	ALGERIA
83552	C	CORUMBA	BRAZIL	60540	C	EL KHEITER	ALGERIA
65344	C	COTONOU	BENIN	62771	C	EL OBEID	SUDAN
41992	C	COX'S BAZAR	BANGLADESH	60559	C	EL OUED	ALGERIA
03774	T	CRAWLEY	U KINGDOM	72270	C	EL PASO/INT., TX.	USA
82704	C	CRUZEIRO DO SUL	BRAZIL	86585	C	EL PRADO	URUGUAY
80097	C	CUCUTA/CAMILO DAZA	COLOMBIA	84179	C	EL PUYO	ECUADOR
83361	C	CUIABA	BRAZIL	60367	C	EL-KALA	ALGERIA
83842	C	CURITIBA	BRAZIL	60550	CT	ELBAYADH	ALGERIA
83840	T	CURITIBA (AEROPORTO)	BRAZIL	12160	C	ELBLAG	POLAND
96739	C	CURUG/BUDIARTO	INDONESIA	63686	C	ELDORET	KENYA
84686	C	CUZCO	PERU	72486	C	ELY/YELLAND, NV.	USA
43150	T	CHC VISHAKHAPATNAM/WALTAIR	INDIA	10203	C	EMDEN-HAFEN	GERMANY, FED REP
98325	C	DAGUPAN	PHILIPPINES	86297	C	ENCARNACION	PARAGUAY
61641	CT	DAKAR/YOFF	SENEGAL	29263	C	ENISEJSK	USSR
62432	C	DAKHLA	EGYPT	24817	C	ERBOGACEN	USSR
41712	C	DAL BANDIN	PAKISTAN	53068	C	ERENHOT	CHINA
44373	C	DALANZADGAD	MONGOLIA	09554	C	ERFURT-BINDERSLEBEN	GERMAN DEM REP
72259	C	DALLAS-FORT WORTH/FORT., TX.	USA	17092	C	ERZINCAN	TURKEY
42587	C	DALTONGANJ	INDIA	03162	C	ESKDALEMUIR	U KINGDOM
40080	CT	DAMASCUS NEW INT. AIRPORT	SYRIAN ARAB REP	94638	CT	ESPERANCE	AUSTRALIA
62805	C	DAMAZINE	SUDAN	88963	C	ESPERANZA B.E.	ARGENTINA
04320	CT	DANMARKSHAVN	DENMARK	87803	C	ESQUEL AERO	ARGENTINA
65351	C	DAPAON	TOGO	24105	C	ESSEJ	USSR
63894	C	DAR ES SALAAM AIRPORT	U REP TANZANIA	10410	CT	ESSEN	GERMANY, FED REP
60390	CT	DAR-EL-BEIDA	ALGERIA	72594	C	EUREKA, CA.	USA
42391	C	DARBHANGA	INDIA	71917	CT	EUREKA,N.W.T.	CANADA
61891	C	DARU	SIERRA LEONE	72432	C	EVANSVILLE/REG., IN.	USA
94120	CT	DARWIN AIRPORT	AUSTRALIA	87576	CT	EZEIZA AERO	ARGENTINA
72429	C	DAYTON/JAMES M. COX DAY.,OH.	USA	65507	C	FADA N'GOURMA	BURKINA FASO
06260	CT	DE BILT	NETHERLANDS	70261	C	FAIRBANKS/INT., AK.	USA
12882	C	DEBRECEN	HUNGARY	16191	C	FALCONARA	ITALY
40045	C	DEIR EZZOR	SYRIAN ARAB REP	72753	C	FARGO/HECTOR FIELD, ND.	USA
97230	C	DENPASAR/NGURAH-RAI	INDONESIA	09578	C	FICHTELBERG	GERMAN DEM REP
72469	C	DENVER/STAPLETON INT., CO.	USA	72637	C	FLINT/BISHOP, MI.	USA
41624	C	DERA ISMAIL KHAN	PAKISTAN	82678	C	FLORIANO	BRAZIL
72546	C	DES MOINES/MUN.,IA.	USA	83897	C	FLORIANOPOLIS	BRAZIL
72537	C	DETROIT/METROPOLITAN, MI.	USA	87162	C	FORMOSA AERO	ARGENTINA
40416	C	DHAHRAN	SAUDI ARABIA	94646	CT	FORREST AIRPORT	AUSTRALIA
41923	C	DHAKA	BANGLADESH	71945	CT	FORT NELSON,B.C.	CANADA
42314	C	DIBRUGARH/MOHANBARI	INDIA	38001	C	FORT SEVCENKO	USSR
67009	C	DIEGO-SUAREZ	MADAGASCAR	71934	CT	FORT SMITH,N.W.T.	CANADA
07280	C	DIJON	FRANCE	72344	C	FORT SMITH/MUN., AR.	USA
61666	C	DIOURBEL	SENEGAL	72533	C	FORT WAYNE/MUN.,BAER FL.,IN.	USA
63471	C	DIRE DAWA	ETHIOPIA	82397	CT	FORTELAZA	BRAZIL
17280	CT	DIYARBAKIR	TURKEY	72389	C	FRESNO/AIR TERM.,CA.	USA
64453	C	DJAMBALA	CONGO	71909	CT	FROBISHER BAY,N.W.T.	CANADA
60670	C	DJANET	ALGERIA	47843	C	FUKUE	JAPAN
60535	C	DJELFA	ALGERIA	47807	C	FUKUOKA	JAPAN
63125	C	DJIBOUTI	DJIBOUTI	91643	CT	FUNAFUTI	N ZEALAND
72451	C	DODGE CITY/MUN., KS.	USA	08522	CT	FUNCHAL	MADEIRA
63862	C	DODOMA	U REP TANZANIA	83746	T	GALEAO	BRAZIL
41170	T	DOHA INTERNATIONAL AIRPORT	QATAR	72242	C	GALVESTON, TX.	USA

STATION LIST RECENT DATA

71803 C GANDER INT.AIRPORT, NFLD.	CANADA	43497 C HAMBANTOTA	SRI LANKA
57993 C GANZHOU	CHINA	10147 C HAMBURG-FUHLSUETTEL	GERMANY, FED REP
61226 C GAO	MALI	52203 C HAMI	CHINA
65522 C GAOUA	BURKINA FASO	10338 CT HANNOVER	GERMANY, FED REP
63723 C GARISSA	KENYA	23933 CT HANTY-MANSIJSK	USSR
64860 C GAROUA	REP CAMEROON	91944 CT HAO	FRENCH POLY.
40405 C GASSIM	SAUDI ARABIA	02196 C HAPARANDA	SWEDEN
42410 CT GAUHATI	INDIA	34300 CT HAR'KOV	USSR
80241 C GAVIOTAS	COLOMBIA	67774 T HARARE (BELVEDERE)	ZIMBABWE
61099 C GAYA	NIGER	67775 C HARARE (KUTSAGA OBSY.)	ZIMBABWE
62752 C GEDAREF	SUDAN	02361 C HARNOSAND	SWEDEN
10628 C GEISENHEIM	GERMANY, FED REP	72508 C HARTFORD/BRADLEY INT., CT	USA
87619 C GENERAL ACHA	ARGENTINA	60581 C HASSI-MESSAOUD	ALGERIA
89034 C GENERAL BELGRANO II B.E.	ARGENTINA	20891 CT HATANGA	USSR
87532 C GENERAL PICO AERO	ARGENTINA	78988 CT HATO AIRPORT,CURACAO	CURACAO BONAIRE
89066 C GENERAL SAN MARTIN B.E.	ARGENTINA	72772 C HELENA/COUNTY-CITY, MT.	USA
06700 C GENEVE-COINTRIN	SWITZ. LIECH.	02974 C HELSINKI-VANTAA	FINLAND
89002 CT GEORG VON NEUMAYER	GERMANY, F.R.	62378 CT HELWAN	EGYPT
68828 C GEORGE AIRPORT	SOUTH AFRICA	16754 C HERAKLION	GREECE
81001 C GEORGETOWN	GUYANA	91945 C HEREHERETUE	FRENCH POLY.
94403 C GERALDTON AIRPORT	AUSTRALIA	91753 C HIHIPO (ILE WALLIS)	N CALEDONIA
68024 C GHANZI	BOTSWANA	91285 CT HILO/GEN. LYMAN, HAWAII,	USA
60566 C GHARDAIA	ALGERIA	47765 C HIROSHIMA	JAPAN
08495 CT GIBRALTAR	GIBRALTAR	04082 C HJARDARNES	ICELAND
94461 CT GILES	AUSTRALIA	94975 CT HOBART AIRPORT	AUSTRALIA
93291 C GISBORNE AERODROME	N ZEALAND	93614 C HOKITIKA AERODROME	N ZEALAND
41140 C GIZAN	SAUDI ARABIA	61240 C HOMBORI	MALI
94380 C GLADSTONE	AUSTRALIA	91517 T HONIARA	SOLOMON ISLANDS
72768 C GLASGOW/INT., MT.	USA	91520 C HONIARA/HENDERSON	SOLOMON ISLANDS
20292 CT GMO IM.E.K. FEDOROVA	USSR	91182 C HONOLULU, OAHU, HAWAII	USA
43192 CT GOA/PANJIM	INDIA	08506 C HORTA (ACORES)	PORTUGAL
87880 C GOBERNADOR GREGORES AERO	ARGENTINA	23219 C HOSEDA-HARD	USSR
04250 C GODTHAB	DENMARK	51828 C HOTAN	CHINA
09499 C GOERLITZ	GERMAN DEM REP	72243 C HOUSTON/INTERCONTINENTAL,TX.	USA
63331 C GONDAR	ETHIOPIA	78806 T HOWARD AFB	PANAMA
72465 C GOODLAND/RENNER FIELD/, KS.	USA	84564 C HUANUCO	PERU
71816 CT GOOSE,NFLD.	CANADA	72425 C HUNTINGTON/TRI-STATE, WV.	USA
97048 C GORONTALO/JALALUDDIN	INDONESIA	72654 C HURON/HURON REGIONAL, SD.	USA
02527 T GOTEBOORG/LANDVETTER	SWEDEN	41765 C HYDERABAD	PAKISTAN
02512 C GOTEBORG/SAVE	SWEDEN	43128 CT HYDERABAD AIRPORT	INDIA
68906 CT GOUGH ISLAND	SOUTH AFRICA	47016 C HYESAN	DPR KOREA
61045 C GOURE	NIGER	15090 C IASI	ROMANIA
94150 CT GOVE AIRPORT	AUSTRALIA	80214 C IBAGUE/PERALES	COLOMBIA
72476 C GRAND JUNCTION/WALKER F.,CO. USA	USA	32411 C ICA	USSR
72635 C GRAND RAPIDS/KENT CO., MI.	USA	83821 C IGUAPE	BRAZIL
78954 C GRANTLEY ADAMS	BARBADOS	87097 C IGUAZU AERO	ARGENTINA
11240 C GRAZ-THALERHOF-FLUGHAFEN	AUSTRIA	61972 C ILE EUROPA	FRANCE
72775 CT GREAT FALLS/INT., MT.	USA	61970 C ILE JUAN DE NOVA	FRANCE
72645 C GREEN BAY/A.-STRAUBEL, WI.	USA	61968 C ILES GLORIEUSES	FRANCE
72317 C GREENSBORO/G.-HIGH PT., NC.	USA	25248 C ILIRNEJ	USSR
72312 C GREENVILLE/GREENVILLE-SP.,SC USA	USA	60640 C ILLIZI	ALGERIA
09184 CT GREIFSWALD	GERMAN DEM REP	98637 C ILOILO	PHILIPPINES
76612 C GUADALAJARA,JAL.	MEXICO	31416 C IM POLINY OSIPENKO	USSR
87497 C GUALEGUAYCHU AERO	ARGENTINA	64459 C IMPFONDO	CONGO
91217 C GUAM, MARIANA IS.	USA	60611 C IN AMENAS	ALGERIA
76577 C GUANAJUATO,GTO.	MEXICO	60630 CT IN SALAH	ALGERIA
59287 CT GUANGZHOU	CHINA	47112 C INCHON	REP KOREA
84203 C GUAYAQUIL/SIMON BOLIVAR	ECUADOR	72438 C INDIANAPOLIS/I.-MUN/WEI.,IN.	USA
02128 C GUNNARN	SWEDEN	42754 C INDORE	INDIA
35700 CT GUR'EV	USSR	67323 C INHAMBAANE	MOZAMBIQUE
40360 C GURIAT	SAUDI ARABIA	11120 C INNSBRUCK-FLUGHAFEN	AUSTRIA
40250 C H-4 'IRWAISHED'	JORDAN	72747 CT INT. FALLS/FALLS INT., MN.	USA
31735 CT HABAROVSK	USSR	71907 CT INUKJUAK, QUE	CANADA
47678 C HACHIJOGIMA	JAPAN	71957 CT INUVIK,N.W.T.	CANADA
47678 T HACHIJOGIMA/OMURE	JAPAN	93844 CT INVERCARGILL AERODROME	N ZEALAND
47069 C HAEJU	DPR KOREA	80370 C IPiales/SAN LUIS	COLOMBIA
40373 C HAFR AL-BATIN	SAUDI ARABIA	84377 C IQUITOS	PERU
59758 C HAIKOU	CHINA	30710 C IRKUTSK	USSR
40394 CT HAIL	SAUDI ARABIA	47918 CT ISHIGAKIJIMA	JAPAN
50527 CT HAILAR	CHINA	85469 C ISLA DE PASCUA	CHILE
47430 C HAKODATE	JAPAN	85585 C ISLA ROBINSON CRUSOE	CHILE
71081 CT HALL BEACH,N.W.T.	CANADA	88968 C ISLAS ORCADAS D.N. (OBS.)	ARGENTINA
89022 CT HALLEY	U KINGDOM	17240 CT ISPARTA	TURKEY
94212 C HALLS CREEK AIRPORT	AUSTRALIA	17062 CT ISTANBUL/GOZTEPE	TURKEY
40030 C HAMA	SYRIAN ARAB REP	17220 CT IZMIR	TURKEY
47755 C HAMADA	JAPAN	84088 C IZOBAMBA-SANTA CATALINA	ECUADOR

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47800	C	IZUHARA	JAPAN	70326	C	KING SALMON, AK.	USA
87305	C	JACHAL	ARGENTINA	45004	T	KING'S PARK	HONG KONG
72235	C	JACKSON/ALLEN C. THOMP., MS.	USA	78397	CT	KINGSTON/NORMAN MANLEY	JAMAICA
72206	C	JACKSONVILLE/INT., FL.	USA	64210	C	KINSHASA/N'DJILI	ZAIRE
41715	C	JACOBABAD	PAKISTAN	30230	CT	KIRENSK	USSR
43041	C	JAGDALPUR	INDIA	27196	C	KIROV	USSR
24959	CT	JAKUTSK	USSR	61270	C	KITA	MALI
01001	CT	JAN MAYEN	NORWAY	11231	C	KLAGENFURT-FLUGHAFEN	AUSTRIA
68368	C	JAN SMUTS	SOUTH AFRICA	72326	C	KNOXVILLE/MUN., TN.	USA
96791	C	JATIWANGI	INDONESIA	06181	T	KOBENHAVN/JAEGERSborg	DENMARK
41024	CT	JEDDAH/KING ABDUL AZIZ IAP	SAUDI ARABIA	06186	C	KOBENHAVN/LANDBOHOJSKOLEN	DENMARK
40184	C	JERUSALEM	ISRAEL	47893	C	KOCHI	JAPAN
41936	C	JESSORE	BANGLADESH	47638	C	KOFU	JAPAN
41598	C	JHELUM	PAKISTAN	61698	C	KOLDA	SENEGAL
60351	C	JI JEL	ALGERIA	29231	CT	KOLPASEV	USSR
63402	C	JIMMA	ETHIOPIA	10929	C	KONSTANZ	GERMANY, FED REP
52533	C	JIUQUAN	CHINA	25954	CT	KORF	USSR
41756	C	JIWANI	PAKISTAN	91408	C	KOROR, PALAU IS.	USA
42339	CT	JOHPUR	INDIA	62772	C	KOSTI	SUDAN
02963	CT	JOKIOINEN	FINLAND	42452	C	KOTA AERODROME	INDIA
02550	C	JONKOPING FLYGPLATS	SWEDEN	48615	CT	KOTA BHARU	MALAYSIA
78762	CT	JUAN SANTAMARIA	COSTA RICA	96471	CT	KOTA KINABALU	MALAYSIA
84474	C	JUANJUI	PERU	70133	CT	KOTZEBUE, RALPH WIEN, AK.	USA
83692	C	JUIZ DE FORA	BRAZIL	91577	C	KOUMAC (INLE-CALEDONIE)	N CALEDONIA
87046	C	JUJUY AERO	ARGENTINA	64893	C	KOUNDJA	REP CAMEROON
84735	C	JULIACA	PERU	61293	C	KOUTIALA	MALI
78866	CT	JULIANA AIRPORT, ST. MAARTEN	ST. MAARTEN, ST. EUST.	43314	C	KOZHIKODE	INDIA
87548	C	JUNIN AERO	ARGENTINA	29574	CT	KRASNQJARSK	USSR
32150	CT	JUZNO-SAHALINSK	USSR	38507	C	KRASNOVODSK	USSR
02935	CT	JYVASKyla	FINLAND	64971	C	KRIBI	CAMEROON
40948	T	KABUL AIRPORT	AFGHANISTAN	48648	T	KUALA LUMPUR/PETALING JAYA	MALAYSIA
67663	C	KABWE	ZAMBIA	48647	C	KUALA LUMPUR/SUBANG	MALAYSIA
62810	C	KADUGLI	SUDAN	48657	CT	KUANTAN	MALAYSIA
61492	C	KAEDI	MAURITANIA	96413	CT	KUCHING	MALAYSIA
47827	C	KAGOSHIMA	JAPAN	47819	C	KUMAMOTO	JAPAN
47827	T	KAGOSHIMA/YOSHINO	JAPAN	56778	CT	KUNMING	CHINA
93012	CT	KAITAIA	N ZEALAND	47418	C	KUSHIRO	JAPAN
02897	C	KAJAAKI	FINLAND	28952	CT	KUSTANAJ	USSR
30469	C	KALAKAN	USSR	71906	CT	KUUJUAQ, QUE.	CANADA
94637	CT	KALGOORLIE AIRPORT	AUSTRALIA	40582	CT	KUWAIT INT. AIRPORT	KUWAIT
25744	C	KAMENSKOE	USSR	91366	C	KWAJALEIN/BUCH. MARSHALL IS.	USA
40001	C	KAMISHLI	SYRIAN ARAB REP	33393	CT	L'VOV	USSR
67586	C	KAMUZU INTL.	MALAWI	08001	CT	LA CORUNA	SPAIN
47605	C	KANAZAWA	JAPAN	71823	T	LA GRANDE IV	CANADA
40990	T	KANDAHAR AIRPORT	AFGHANISTAN	80405	C	LA ORCHILA	VENEZUELA
65306	C	KANDI	BENIN	76405	C	LA PAZ, B.C.S.	MEXICO
47105	C	KANGNUNG	REP KOREA	85201	C	LA PAZ/ALTO	BOLIVIA
22165	C	KANIN NOS	USSR	87007	C	LA QUIACA OBSERVATORIO	ARGENTINA
72446	C	KANSAS CITY, INT., MO.	USA	87217	C	LA RIOJA AERO.	ARGENTINA
61679	C	KAOBLACK	SENEGAL	85488	C	LA SERENA	CHILE
71831	C	KAPUSKASING, ONT.	CANADA	87534	C	LABOULAYE	ARGENTINA
41780	CT	KARACHI AIRPORT	PAKISTAN	68476	C	LADYSMITH	SOUTH AFRICA
35394	CT	KARAGANDA	USSR	60545	C	LAGHOUAT	ALGERIA
02080	C	KARESUANDO	SWEDEN	87903	C	LAGO ARGENTINO AERO	ARGENTINA
62660	C	KARIMA	SUDAN	41640	C	LAHORE CITY	PAKISTAN
02418	C	KARLSTAD FLYGPLATS	SWEDEN	08509	T	LAJES (ACORES)	PORTUGAL
67475	C	KASAMA	ZAMBIA	72240	C	LAKE CHARLES/MUN., LA.	USA
51709	C	KASHI	CHINA	64551	C	LAMBARENE	GABON
62730	C	KASSALA	SUDAN	72576	C	LANDER/HUNT, WY.	USA
10438	C	KASSEL	GERMANY, FED REP	52889	CT	LANZHOU	CHINA
17074	C	KASTAMONU	TURKEY	98223	C	LAOAG	PHILIPPINES
26629	CT	KAUNAS	USSR	16648	C	LARISSA	GREECE
61257	C	KAYES	MALI	87078	C	LAS LOMITAS	ARGENTINA
27595	CT	KAZAN'	USSR	72386	C	LAS VEGAS/MCCARRAN, NV.	USA
61699	C	KEDougou	SENEGAL	40022	C	LATTAKIA	SYRIAN ARAB REP
04018	CT	KEFLAVIK	ICELAND	94865	CT	LAVERTON AERODROME	AUSTRALIA
16641	C	KERKYRA	GREECE	78925	C	LE LAMENTIN	MARTINIQUE
72201	C	KEY WEST/INT., FL.	USA	78897	CT	LE RAIZET/GUADELOUPE	ST. MARTIN, ST. BART
41114	CT	KHAMIS MUSHAIT	SAUDI ARABIA	94302	C	LEARMONTH AIRPORT	AUSTRALIA
62721	CT	KHARTOUM	SUDAN	12120	CT	LEBA	POLAND
33345	CT	KIEV	USSR	03257	C	LEEMING	U KINGDOM
61498	C	KIFFA	MAURITANIA	98444	C	LEGASPI	PHILIPPINES
64387	C	KIGALI	RWANDA	12374	T	LEGIONOWO	POLAND
68438	C	KIMBERLEY	SOUTH AFRICA	09469	C	LEIPZIG-SCHKEUDITZ	GERMAN DEM REP
47025	C	KIMCHAEK	DPR KOREA	26063	CT	LENINGRAD (TOWN/VILLE)	USSR
40437	CT	KING KHALED INT. AIRPORT	SAUDI ARABIA	03005	CT	LERWICK	U KINGDOM

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71874	C	LETHBRIDGE, ALTA.	CANADA	61080	C	MARADI	NIGER
80398	C	LETICIA/VASQUEZ COBO	COLOMBIA	87467	C	MARCOS JUAREZ AERO	ARGENTINA
72422	C	LEXINGTON/BLUE GRASS, KY.	USA	16325	C	MARINA DI GINOSA	ITALY
55591	CT	LHASA	CHINA	68994	CT	MARION ISLAND	SOUTH AFRICA
64500	C	LIBREVILLE	GABON	86068	C	MARISCAL ESTIGARIBIA	PARAGUAY
67217	C	LICHINGA	MOZAMBIQUE	64851	C	MAROUA-SALAK	REP CAMEROON
91165	CT	LIHUE, KAUAI, HAWAII	USA	72743	C	MARQUETTE, MI.	USA
84628	CT	LIMA-CALLAO/AEROP. INT.	PERU	60230	C	MARRAKECH	MOROCCO
07434	C	LIMOGES	FRANCE	07650	C	MARSEILLE/MARIGNANE	FRANCE
09393	CT	LINDENBERG	GERMAN DEM REP	61996	CT	MARTIN DE VIVIES(ILE AMST.)	FRANCE
61627	C	LINGURE	SENEGAL	60507	C	MASCARA GRISS	ALGERIA
08535	C	LISBOA	PORTUGAL	41288	C	MASIRAH	OMAN
08579	T	LISBOA/GAGO COUTINHO	PORTUGAL	61630	C	MATAM	SENEGAL
67743	C	LIVINGSTONE	ZAMBIA	47618	C	MATSUMOTO	JAPAN
13015	C	LJUBLJANA/BEZIGRAD	YUGOSLAVIA	68032	C	MAUN	BOTSWANA
84270	C	LOJA/LA ARGELIA	ECUADOR	64503	C	MAYUMBA	GABON
15511	C	LOM	BULGARIA	70231	C	MCGRATH, AK.	USA
65387	C	LOME	TOGO	60549	C	MECHERIA	ALGERIA
03776	C	LONDON/GATWICK AIRPORT	U KINGDOM	96035	C	MEDAN/OLONIA	INDONESIA
83766	C	LONDrina	BRAZIL	72597	T	MEDFORD/MDFRD-JCSN CO., OR.	USA
94346	C	LONGREACH AIRPORT	AUSTRALIA	72597	C	MEDFORD/MEDFORD-JACKSON, OR.	USA
72247	T	LONGVIEW, TX.	USA	94430	C	MEEKATHARRA AIRPORT	AUSTRALIA
94995	CT	LORD HOWE ISLAND	AUSTRALIA	09548	CT	MEININGEN	GERMAN DEM REP
78652	C	LOS ANDES	EL SALVADOR	64545	C	MEKAMBO	GABON
72295	C	LOS ANGELES/INT. CA.	USA	60150	C	MEKNES	MOROCCO
64401	C	LOUBOMO	CONGO	86440	C	MELO	URUGUAY
72423	C	LOUISVILLE/STANDIFORD, KY.	USA	97014	C	MENADO/DR. SAM RATULANGI	INDONESIA
72267	C	LUBBOCK/LUBBOCK INT., TX.	USA	87418	C	MENDOZA AERO	ARGENTINA
42369	T	LUCKNOW/AMAUSI	INDIA	56985	C	MENGZI	CHINA
06770	C	LUGANO	SWITZ. LIECH.	08314	C	MENORCA/MAHON	SPAIN
61856	C	LUNGI	SIERRA LEONE	86490	C	MERCEDES	URUGUAY
16597	C	LUQA	MALTA	80438	C	MERIDA	VENEZUELA
67666	T	LUSAKA CITY AIRPORT	ZAMBIA	72234	C	MERIDIAN/KEY, MS.	USA
06590	C	LUXEMBOURG/LUXEMBOURG	LUXEMBOURG	62306	C	MERSA MATRUH	EGYPT
07480	C	LYON/BRON	FRANCE	16420	C	MESSINA	ITALY
07481	T	LYON/SATOLAS	FRANCE	72202	C	MIAMI, FL.	USA
60467	C	M'SILA	ALGERIA	72265	C	MIDLAND/MIDLAND REG., TX.	USA
40310	C	MA'AN	JORDAN	91066	T	MIDWAY ISLAND	USA
45011	C	MACAO	MACAU	84202	C	MILAGRO	ECUADOR
43185	C	MACHILIPATNAM (FRANCHPET)	INDIA	94693	C	MILDURA AIRPORT	AUSTRALIA
94367	C	MACKAY	AUSTRALIA	60430	C	MILIANA	ALGERIA
72217	C	MACON/LEWIS B. WILSON, GA.	USA	72640	C	MILWAUKEE/GEN. MITCHELL, WI.	USA
94998	CT	MACQUARIE ISLAND	AUSTRALIA	47945	CT	MINAMIDAITOJIMA	JAPAN
98646	C	MACTAN	PHILIPPINES	47991	T	MINAMITORISHIMA	JAPAN
94014	C	MADANG M.O.	PAPUA N GUINEA	43369	CT	MINICOY	INDIA
40430	CT	MADINAH	SAUDI ARABIA	72658	C	MINNEAPOLIS/ST. PAUL INT., MN.	USA
72641	C	MADISON/DANE COUNTY REG., WI.	USA	26850	CT	MINSK	USSR
43279	CT	MADRAS/MINAMBAKKAM	INDIA	29866	C	MINUSINSK	USSR
08222	C	MADRID	SPAIN	12772	C	MISKOLC	HUNGARY
08221	T	MADRID/BARAJAS	SPAIN	72773	C	MISSOULA/JOHNSON-BELL F., MT.	USA
47624	C	MAEBASHI	JAPAN	64552	C	MITZIC	GABON
61091	C	MAGARITA	NIGER	47585	C	MIYAKO	JAPAN
85114	C	MAGDALENA	BOLIVIA	47927	C	MIYAKOJIMA	JAPAN
60522	C	MAGHNIA	ALGERIA	47830	C	MIYAZAKI	JAPAN
61096	C	MAINE-SOROA	NIGER	72223	C	MOBILE/BATES FIELD, AL.	USA
91376	C	MAJURO/MARSHALL IS. INT.	USA	30673	C	MOCOCA	USSR
41030	C	MAKKAH	SAUDI ARABIA	47165	C	MOKP'DO	REP KOREA
64556	C	MAKOKOU	GABON	72544	C	MOLINE/QUAD CITY, IL.	USA
48665	C	MALACCA	MALAYSIA	94044	C	MOMOTE M.O.	PAPUA N GUINEA
87506	C	MALARGUE AERO	ARGENTINA	72349	T	MONETT, MO.	USA
03980	C	MALIN HEAD	IRELAND	67633	C	MONGU	ZAMBIA
63799	C	MALINDI	KENYA	78388	C	MONTEGO BAY/SANGSTER	JAMAICA
78741	C	MANAGUA A.C. SANDINO	NICARAGUA	76393	C	MONTERREY, N.L.	MEXICO
82331	C	MANAUS	BRAZIL	83437	C	MONTES CLAROS	BRAZIL
03334	C	MANCHESTER AIRPORT	U KINGDOM	72226	C	MONTGOMERY/DANNELLY, AL.	USA
44341	C	MANDALGOVI	MONGOLIA	71627	C	MONTRAL INT. AIRPORT, QUE.	CANADA
65352	C	MANGO	TOGO	71836	CT	MOOSONEE, ONT.	CANADA
98429	C	MANILA INT. AIRPORT	PHILIPPINES	61265	C	MOPTI	MALI
71722	CT	MANIWAKI, QUE.	CANADA	94527	CT	MOREE	AUSTRALIA
43413	C	MANNAR	SRI LANKA	76665	C	MORELIA, MICH.	MEXICO
76654	C	MANZANILLO, COL.	MEXICO	47584	C	MORIOKA	JAPAN
67341	C	MAPUTO/MAVALANE	MOZAMBIQUE	27612	CT	MOSKVA	USSR
87774	C	MAQUINCHAO	ARGENTINA	60457	C	MOSTAGANEM	ALGERIA
87692	C	MAR DEL PLATA AERO	ARGENTINA	64550	C	MOUILA	GABON
80407	C	MARACAIBO-LA CHINITA	VENEZUELA	71072	CT	MOULD BAY A, N.W.T.	CANADA
80413	CT	MARACAY - B.A. SUCRE	VENEZUELA	63619	C	MOYALE	KENYA

STATION LIST RECENT DATA

84435	C	MOYOBAMBA	PERU	76775	C	OAXACA, OAX.	MEXICO
94821	CT	MT GAMBIER AIRPORT	AUSTRALIA	47417	C	OBIHIRO	JAPAN
94332	CT	MT ISA AIRPORT	AUSTRALIA	64659	C	OBO	CENTRAL AFRICAN REP
63971	C	MTHWARA	U REP TANZANIA	33837	CT	ODESSA	USSR
10868	T	MUENCHEN- OBERSCHLEISSHEIM	GERMANY, FED REP	31088	CT	OHOTSK	USSR
10866	C	MUENCHEN-RIEM	GERMANY, FED REP	47815	C	OITA	JAPAN
17292	C	MUGLA	TURKEY	24688	C	OJMJAKON	USSR
42147	C	MUKTESWAR KUMAON	INDIA	72353	C	OKLAHOMA CITY/W.R.WORLD, OK.	USA
41675	CT	MULTAN	PAKISTAN	24125	CT	OLENEK	USSR
44231	C	MUREN	MONGOLIA	72792	C	OLYMPIA, WA.	USA
22113	CT	MURMANSK	USSR	47655	C	OMAEZAKI	JAPAN
72636	C	MUSKEGON/COUNTY, MI.	USA	72553	C	OMAHA, NE.	USA
63756	C	MWANZA	U REP TANZANIA	28698	CT	OMSK	USSR
23146	CT	MYS KAMENNYJ	USSR	47598	C	ONAHAMA	JAPAN
25173	CT	MYS SMIDTA	USSR	87016	C	ORAN AERO	ARGENTINA
25399	C	MYS UELEN	USSR	60490	C	ORAN/ES SENIA	ALGERIA
64654	C	N'DELE	CENTRAL AFRICAN REP	35121	CT	ORENBURG	USSR
61049	C	N'GUIGMI	NIGER	01241	T	ORLAND	NORWAY
72340	C	N. LITTLE ROCK/MUN.APRT., AR.	USA	01241	C	ORLAND III	NORWAY
47817	C	NAGASAKI	JAPAN	72205	C	ORLANDO/JETPORT/ FL.	USA
47636	C	NAGOYA	JAPAN	85242	C	ORURO	BOLIVIA
42867	CT	NAGPUR SONEGAON	INDIA	47772	C	OSAKA	JAPAN
47936	C	NAHA	JAPAN	01384	CT	OSLO/GARDERMOEN	NORWAY
47936	T	NAHA/KAGAMIZU	JAPAN	02226	C	OSTERSUND/FROSÖN	SWEDEN
63741	T	NAIROBI/DAGORETTI	KENYA	11782	C	OSTRAVA/MOSNOV	CZECHOSLOVAKIA
63740	C	NAIROBI/KENYATTA AIRPORT	KENYA	21965	CT	OSTROV CETYREH-STOLBOVOJ	USSR
41128	C	NAJRAN	SAUDI ARABIA	20674	CT	OSTROV DIKSON	USSR
48431	C	NAKHON RATCHASIMA	THAILAND	21432	CT	OSTROV KOTEL'NYJ	USSR
48400	C	NAKHON SAWAN	THAILAND	20069	C	OSTROV VIZE	USSR
67237	C	NAMPULA	MOZAMBIQUE	65503	C	OUAGADOUGOU	BURKINA FASO
58606	C	NANCHANG	CHINA	65502	C	OUAHIGOUYA	BURKINA FASO
07180	CT	NANCY/ESSEY	FRANCE	60265	C	OUARAZZATE	MOROCCO
91680	CT	NANDI	FIJI	64458	C	OUESSO	CONGO
59431	C	NANNING	CHINA	91765	C	PAGO PAGO/INT. AIRP.	USA
07222	C	NANTES	FRANCE	91765	T	PAGO PAGO/INT. ARPT., AM. SAMOA	USA
16289	C	NAPOLI/CAPODICHINO	ITALY	96109	C	PAKANBARU/SIMPANGTIGA	INDONESIA
23205	CT	NAR JAN-MAR	USSR	96221	C	PALEMBANG/TALANGBETUTU	INDONESIA
61233	C	NARA	MALI	08306	C	PALMA DE MALLORCA/SON SAN J.	SPAIN
04270	T	NARSSARSSUAQ	DENMARK	08302	T	PALMA/SON BONET	SPAIN
72327	CT	NASHVILLE/OLD HICKORY, TN.	USA	40061	C	PALMYRA	SYRIAN ARAB REP
78073	CT	NASSAU AIRPORT	BAHAMAS	43363	C	PAMBAN	INDIA
82599	T	NATAL	BRAZIL	43285	T	PANAMBUR	INDIA
65319	C	NATITINGOU	BENIN	41739	C	PANJGUR	PAKISTAN
91683	C	NAUSORI	FIJI	41560	C	PARACHINAR	PAKISTAN
47909	C	NAZE	JAPAN	65330	C	PARAKOU	BENIN
47909	T	NAZE/FUNCHATOGE	JAPAN	87374	C	PARANA AERO	ARGENTINA
80315	C	NEIVA/LA MANGUITA	COLOMBIA	07150	C	PARIS/LE BOURGET	FRANCE
61497	C	NEMA	MAURITANIA	87814	C	PASO DE INDIOS	ARGENTINA
47420	CT	NEMURO	JAPAN	87289	C	PASO DE LOS LIBRES AERO	ARGENTINA
87715	CT	NEUQUEN AERO	ARGENTINA	86460	C	PASO DE LOS TOROS	URUGUAY
42182	CT	NEW DELHI/SAFDARJUNG	INDIA	80342	C	PASTO/ANTONIO NARINO	COLOMBIA
72231	C	NEW ORLEANS, LA	USA	06610	T	PAYERNE	SWITZ. LIECH.
93308	C	NEW PLYMOUTH AERODROME	N ZEALAND	12942	C	PECS	HUNGARY
72503	C	NEW YORK/LA GUARDIA, NY.	USA	87544	C	PEHUajo AERO	ARGENTINA
64870	C	NGAOUNDERE	REP CAMEROON	91554	C	PEKOJA AIRPORT/ESPIRITU-SANTO	VANUATU
61052	CT	NIAMEY-AERO	NIGER	67215	C	PEMBA	MOZAMBIQUE
07690	C	NICE	FRANCE	48601	CT	PENANG/BAYAN LEPAS	MALAYSIA
47604	C	NIJIGATA	JAPAN	72688	C	PENDLETON, OR.	USA
32618	C	NIKOL'SKOЕ (OSTROV BERINGA)	USSR	72532	C	PEORIA/GREATER PEORIA, IL.	USA
31369	C	NIKOLAEVSK-NA-AMURE	USSR	80210	C	PEREIRA/MATECANA	COLOMBIA
07645	CT	NIMES/COURBESSAC	FRANCE	28225	C	PERM	USSR
61230	C	NIORO DU SAHEL	MALI	07747	C	PERPIGNAN	FRANCE
23724	C	NJAKSIMVOL'	USSR	94610	CT	PERTH AIRPORT	AUSTRALIA
61878	C	NJALA	SIERRA LEONE	16230	C	PESCARA	ITALY
70200	CT	NOME, AK.	USA	41530	CT	PESHAWAR	PAKISTAN
94996	CT	NORFOLK ISLAND AIRPORT	AUSTRALIA	82983	CT	PETROLINA	BRAZIL
72308	C	NORFOLK/INT., VA.	USA	32540	CT	PETROPAVLOVSK-KAMCHATKIJ	USSR
72556	C	NORFOLK/KARL STEFAN, NE.	USA	72408	C	PHILADELPHIA/INT., PA.	USA
71043	CT	NORMAN WELLS, N.W.T.	CANADA	48378	C	PHITSANULOK	THAILAND
71731	C	NORTH BAY, ONT.	CANADA	72278	C	PHOENIX/SKY HARBOR INT., AZ.	USA
72562	CT	NORTH PLATTE/LEE BIRD, NE.	USA	78970	CT	PIARCO INT. AIRPORT, TRINIDAD	TRINIDAD TOBAGO
61415	CT	NOUADHIBOU	MAURITANIA	84140	C	PICHILINGUE	ECUADOR
61442	C	NOUAKCHOTT	MAURITANIA	68174	CT	PIETERSBURG	SOUTH AFRICA
91592	CT	NOUMEA (NLLE-CALEDONIE)	N CALEDONIA	87679	C	PIGUE AERO	ARGENTINA
10763	C	NUERNBERG	GERMANY, FED REP	86255	C	PILAR	PARAGUAY
84132	C	NUEVO ROCAFUERTE	ECUADOR	87349	C	PILAR OBSERVATORIO	ARGENTINA

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16158	C	PISA/S. GIUSTO	ITALY	22602	C	REBOLY	USSR
84691	C	PISCO	PERU	82900	CT	RECIFE (CURADO)	BRAZIL
72520	C	PITTSBURGH/GREATER PITT., PA.	USA	87270	C	RECONQUISTA AERO	ARGENTINA
84401	C	PIURA	PERU	71863	C	REGINA, SASK.	CANADA
37050	C	PJATIGORSK	USSR	72488	C	RENO/INT., NV.	USA
61990	C	PLAISANCE (MAURITIUS)	MAURITIUS	87155	CT	RESISTENCIA AERO.	ARGENTINA
03827	C	PLYMOUTH/MOUNT BATTEN	U KINGDOM	71924	CT	RESOLUTE, N.W.T.	CANADA
72578	C	POCATELLO/NUM., ID.	USA	04030	C	REYKJAVIK	ICELAND
61612	C	PODOR	SENEGAL	85043	C	RIBERALTA	BOLIVIA
47138	T	POHANG	REP KOREA	72401	C	RICHMOND/BYRD, VA.	USA
64400	C	POINTE-NOIRE	CONGO	51948	C	RIKITEA	FRENCH POLY.
20046	TC	POLAR GMO IM.E.T. KRENKELJA	USSR	82915	C	RIO BRANCO	BRAZIL
91348	C	PONAPE, CAROLINE ISLANDS.	USA	87736	C	RIO COLORADO	ARGENTINA
08513	C	PONTA DELGADA (ACORES)	PORTUGAL	87453	C	RIO CUARTO AERO	ARGENTINA
83702	C	PONTA PORA	BRAZIL	83743	C	RIO DE JANEIRO	BRAZIL
43063	C	POONA	INDIA	87925	C	RIO GALLEGOS AERO	ARGENTINA
11952	T	POPRAD/GANOVCE	CZECHOSLOVAKIA	87934	C	RIO GRANDE B.A.	ARGENTINA
11934	C	POPRAD/TATRY	CZECHOSLOVAKIA	80112	C	RIONEGRO/J.M. CORDOVA	COLOMBIA
43333	CT	PORT BLAIR	INDIA	87065	C	RIVADAVIA	ARGENTINA
68842	CT	PORT ELIZABETH	SOUTH AFRICA	40438	C	RIYADH	SAUDI ARABIA
71109	CT	PORT HARDY, B.C.	CANADA	72411	C	ROANOKE/MUN., VA.	USA
94312	CT	PORT HEDLAND AIRPORT	AUSTRALIA	65660	C	ROBERTS FIELD	LIBERIA
94035	C	PORT MORESBY M.O.	PAPUA N GUINEA	85268	C	ROBORE	BOLIVIA
62641	C	PORT SUDAN	SUDAN	86565	C	ROCHA	URUGUAY
61998	CT	PORT-AUX-FRANCAIS (ILES KER.)	FRANCE	72644	C	ROCHESTER/MUN., MN.	USA
72606	C	PORTLAND/INT. JET PORT, ME.	USA	72529	C	ROCHESTER/ROCHESTER-MON., NY.	USA
72698	C	PORTLAND/INT., OR.	USA	61988	C	RODRIGUES	MAURITIUS
83967	C	PORTO ALEGRE	BRAZIL	16242	C	ROMA/FIUMICINO	ITALY
83971	T	PORTO ALEGRE (AEROPORTO)	BRAZIL	06190	C	RONNE	DENMARK
83064	C	PORTO NACIONAL	BRAZIL	87480	C	ROSARIO AERO	ARGENTINA
82825	C	PORTO VELHO	BRAZIL	61489	C	ROSSO	MAURITANIA
84135	C	PORTO VIEJO-GRANJA	ECUADOR	34731	CT	ROSTOV-NA-DONU	USSR
08546	C	PORTO/SERRA DO PILAR	PORTUGAL	45005	C	ROYAL OBSERVATORY	HONG KONG
87178	C	POSADAS AERO.	ARGENTINA	47406	C	RUMOI	JAPAN
09379	C	POTSDAM	GERMAN DEM REP	51777	C	RUOGIANG	CHINA
12330	CT	POZNAN	POLAND	85141	C	RURRENABAQUE	BOLIVIA
48500	C	PRACHUAP KHIRIKHAN	THAILAND	89001	CT	S.A.N.A.E. STATION	SOUTH AFRICA
11520	CT	PRAHA-LIBUS	CZECHOSLOVAKIA	82106	C	S.GABRIEL DO CACHOEIRA(UAU.)	BRAZIL
11518	C	PRAHA/RUZYNE	CZECHOSLOVAKIA	96001	C	SABANG/CUT BAU	INDONESIA
16245	T	PRATICA DI MARE	ITALY	71600	CT	SABLE ISLAND, N.S.	CANADA
87149	C	PRES. ROQUE SAENZ PENA AERO	ARGENTINA	72483	C	SACRAMENTO/EXECUTIVE, CA.	USA
68262	C	PRETORIA	SOUTH AFRICA	06680	C	SAENTIS	SWITZ. LIECH.
68263	T	PRETORIA (IRENE)	SOUTH AFRICA	42671	C	SAGAR	INDIA
71896	CT	PRINCE GEORGE, B.C.	CANADA	44354	C	SAINSHAND	MONGOLIA
72507	C	PROVIDENCE/GREEN STATE, RI.	USA	61980	C	SAINT-DENIS/GILLOT (REUNION)	FRANCE
80002	C	PROVIDENCIA (ISLA)	COLOMBIA	61600	C	SAINT-LOUIS	SENEGAL
12695	C	PRZEMYSŁ	POLAND	71805	C	SAINT-PIERRE	ST. PIERRE MIQUELON
80457	C	PUERTO AYACUCHO	VENEZUELA	08594	C	SAL	CAPE VERDE
80139	C	PUERTO CARRENO	COLOMBIA	41316	C	SALALAH	OMAN
86086	C	PUERTO CASADO	PARAGUAY	23330	CT	SALEHARD	USSR
87896	C	PUERTO DESEADO AERO	ARGENTINA	76833	C	SALINA CRUZ, OAX.	MEXICO
78767	C	PUERTO LIMON	COSTA RICA	72572	C	SALT LAKE CITY/INT., UT.	USA
84658	C	PUERTO MALDONADO	PERU	87047	CT	SALTA AERO	ARGENTINA
85799	C	PUERTO MONTT	CHILE	86360	C	SALTO	URUGUAY
86248	C	PUERTO PRESIDENTE STROESSNER	PARAGUAY	83229	C	SALVADOR	BRAZIL
85289	C	PUERTO SUAREZ	BOLIVIA	11150	C	SALZBURG-FLUGHAFEN	AUSTRIA
85934	CT	PUNTA ARENAS	CHILE	35925	C	SAM	USSR
87596	C	PUNTA INDIO B.A.	ARGENTINA	17030	CT	SAMSUN	TURKEY
78760	C	PUNTARENAS	COSTA RICA	61277	C	SAN	MALI
47159	C	PUSAN	REP KOREA	80001	CT	SAN ANDRES (ISLA)	COLOMBIA
47058	CT	PYONGYANG	DPR KOREA	72263	C	SAN ANGELO/MATHIS, TX.	USA
54857	C	QINGDAO	CHINA	80447	C	SAN ANTONIO DEL TACHIRA	VENZUELA
50745	C	QIQIHAAR	CHINA	87784	C	SAN ANTONIO OESTE AERO	ARGENTINA
67283	C	QUELIMANE	MOZAMBIQUE	72253	C	SAN ANTONIO/INT., TX.	USA
41660	C	QUETTA AIRPORT	PAKISTAN	84008	C	SAN CRISTOBAL (GALAPAGOS)	ECUADOR
80144	C	QUIBDO/EL CARANO	COLOMBIA	72290	C	SAN DIEGO/LINDBERGH, CA.	USA
72797	CT	QUILLAYUTE, WA.	USA	72290	T	SAN DIEGO/MONTGOMERY FLD, CA.	USA
85543	T	QUINTERO	CHILE	80450	C	SAN FERNANDO DE APURE	VENEZUELA
82586	C	QUIXERAMOBIM	BRAZIL	72494	C	SAN FRANCISCO/INT., CA.	USA
94085	C	RABAUL M.O.	PAPUA N GUINEA	85207	C	SAN IGNACIO DE VELASCO	BOLIVIA
40362	C	RAFHIA	SAUDI ARABIA	84721	C	SAN JUAN	PERU
72306	C	RALEIGH/RALEIGH-DURHAM, NC.	USA	87311	C	SAN JUAN AERO	ARGENTINA
93997	C	RAOUL ISLAND, KERMADEC IS.	N ZEALAND	86260	C	SAN JUAN BAUTISTA MISIONES	PARAGUAY
91958	CT	RAPA	FRENCH POLY.	87909	C	SAN JULIAN AERO	ARGENTINA
72662	C	RAPID CITY/REG., SD.	USA	87436	C	SAN LUIS AERO	ARGENTINA
91843	CT	RAROTONGA	N ZEALAND	87509	C	SAN RAFAEL AERO	ARGENTINA

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71101	C	SANDSPIT, B.C.	CANADA	72440	C	SPRINGFIELD/MUN., MO.	USA
85123	C	SANTA ANA	BOLIVIA	42027	CT	SRINAGAR	INDIA
85245	C	SANTA CRUZ	BOLIVIA	61986	C	ST. BRANDON (ST. RAPHAEL)	MAURITIUS
87912	C	SANTA CRUZ AERO	ARGENTINA	72655	T	ST. CLOUD/WHITNEY, MN.	USA
60020	C	SANTA CRUZ DE TENE- RIFE	SPAIN	61901	CT	ST. HELENA IS.	U KINGDOM
80462	C	SANTA ELENA DE UAIREN	VENEZUELA	72434	C	ST. LOUIS/LAMBERT, ST., MO.	USA
08515	C	SANTA MARIA (ACORES)	PORTUGAL	70308	C	ST. PAUL, AK.	USA
72394	C	SANTA MARIA/PUBLIC, CA.	USA	11028	C	ST. POELTEN	AUSTRIA
80009	C	SANTA MARTA/SIMON BOLIVAR	COLOMBIA	71801	T	ST. JOHN'S, NFLD.	CANADA
87623	CT	SANTA ROSA AERO	ARGENTINA	83997	C	ST. VITORIA DO PALMAR	BRAZIL
87129	C	SANTIAGO DEL ESTERO AERO.	ARGENTINA	01415	CT	STAVANGER/SOLA	NORWAY
78486	C	SANTO DOMINGO	DOMINICAN REP	71815	TC	STEPHENVILLE, NFLD	CANADA
82668	CT	SAO FELIX DO XINGU	BRAZIL	02464	C	STOCKHOLM/BROMMA	SWEDEN
82280	C	SAO LUIZ	BRAZIL	02465	T	STOCKHOLM/BROMMA	SWEDEN
83781	C	SAO PAULO	BRAZIL	03026	CT	STORNOWAY	U KINGDOM
83780	T	SAO PAULO (AEROPORTO)	BRAZIL	07190	C	STRASBOURG	FRANCE
47412	CT	SAPPORO	JAPAN	10739	CT	STUTTGART/SCHNARRENNBERG	GERMANY, FED REP
13354	C	SARAJEVO	YUGOSLAVIA	85283	C	SUCRE	BOLIVIA
34172	CT	SARATOV	USSR	41062	C	SULAYEL	SAUDI ARABIA
41594	T	SARGODHA	PAKISTAN	15360	C	SULINA	ROMANIA
72734	C	SAULT STE. MARIE, MI.	USA	72429	T	SULPHUR GROVE, OH.	USA
72207	C	SAVANNAH/MUNICIPAL, GA.	USA	97260	C	SUMBABA BESAR/SUMBABA BESAR	INDONESIA
65335	C	SAVE	BENIN	02365	T	SUNDSVALL-HARNOSAND FLYGPLAT	SWEDEN
10035	CT	SCHLESWIG	GERMANY, FED REP	24738	C	SUNTAR	USSR
04339	T	SCORESBYSUND	DENMARK	41268	C	SUR	OMAN
72793	C	SEATTLE/S.-TACOMA, WA.	USA	96933	C	SURABAYA/PERAK	INDONESIA
62124	C	SEBHA	LIBYAN ARAB JAMAHIRI	98653	C	SURIGAO	PHILIPPINES
41256	CT	SEEB, INTERNATIONAL AIRPORT	OMAN	47421	C	SUTTSU	JAPAN
61272	C	SEGOU	MALI	01008	C	SVALBARD LUFTHAVN	NORWAY
25703	CT	SEJMCAN	USSR	28440	CT	SVERDLOVSK	USSR
96837	C	SEMARANG	INDONESIA	94767	C	SYDNEY AIRPORT	AUSTRALIA
36177	C	SEMIPALATINSK	USSR	71707	C	SYDNEY, N.S.	CANADA
47590	CT	SENDAI	JAPAN	23804	CT	SYKTYVKAR	USSR
62762	C	SENNAR	SUDAN	41891	C	SYLHET	BANGLADESH
71811	CT	SEPT-ILES, QUE.	CANADA	89532	CT	SYCWA	JAPAN
61976	C	SERGE-FROLLOW (ILE TROMELIN)	FRANCE	72519	C	SYRACUSE/HANCOCK, NY.	USA
60445	C	SETIF	ALGERIA	12205	C	SZCZECIN	POLAND
08390	C	SEVILLA/TABLADA	SPAIN	12982	CT	SZEGED	HUNGARY
63985	T	SEYCHELLES IAP.(RAW. STN)	SEYCHELLES	65380	C	TABLIGO	TOGO
63980	C	SEYCHELLES INT. AIRPORT	SEYCHELLES	63832	C	TABORA AIRPORT	U REP TANZANIA
58367	CT	SHANGHAI	CHINA	40375	CT	TABUK	SAUDI ARABIA
03962	C	SHANNON AIRPORT	IRELAND	98550	C	TACLOBAN	PHILIPPINES
59316	C	SHANTOU	CHINA	84782	C	TACNA	PERU
41136	C	SHARURAH	SAUDI ARABIA	98644	C	TAGBILARAN	PHILIPPINES
71601	C	SHEARWATER,N.S.	CANADA	91938	CT	TAHITI-FAAA	FRENCH POLY.
71399	T	SHELBYNE, N.S.	CANADA	61043	C	TAHOUA	NIGER
70414	T	SHEMYA AFB, AK.	USA	58968	T	TAIBEI	CHINA
54342	C	SHENYANG	CHINA	41036	C	TAIF	SAUDI ARABIA
72666	C	SHERIDAN/COUNTY, WY.	USA	53772	C	TAIYUAN	CHINA
47898	C	SHIMIZU/ASHIZURI	JAPAN	47612	C	TAKADA	JAPAN
47778	CT	SHIONOMISAKI	JAPAN	47891	C	TAKAMATSU	JAPAN
72248	C	SHREVEPORT/REG., LA.	USA	91943	C	TAKAROA	FRENCH POLY.
15260	C	SIBIU	ROMANIA	84390	C	TALARA	PERU
96073	C	SIBOLGA/PINANGSORI	INDONESIA	72214	C	TALLAHASSEE/MUN., FL.	USA
61297	C	SIKASSO	MALI	26038	C	TALLIN	USSR
33946	C	SIMFEROPOL	USSR	60680	CT	TAMANRASSET	ALGERIA
32195	C	SIMUSIR	USSR	67095	C	TAMATAVE	MADAGASCAR
48698	CT	SINGAPORE/CHANGI AIRPORT	SINGAPORE	61687	C	TAMBACOUNDA	SENEGAL
47035	C	SINUJU	DPR KOREA	38413	C	TAMDY	USSR
72557	C	SIOUX CITY/MUN., IA.	USA	72211	C	TAMPA/INT., FL.	USA
72651	C	SIOUX FALLS/FOSS FIELD, SD.	USA	76548	C	TAMPICO, TAMPS	MEXICO
17090	C	SIVAS	TURKEY	87645	C	TANDIL AERO	ARGENTINA
60355	C	SKIKA	ALGERIA	84455	C	TARAPOTO	PERU
13586	C	SKOPJE-PETROVAC	YUGOSLAVIA	91610	CT	TARAWA	N ZEALAND
11903	C	SLIAC	CZECHOSLOVAKIA	23552	C	TARKO-SALE	USSR
02836	CT	SODANKYLA	FINLAND	38457	CT	TASKENT	USSR
15614	C	SOFIA (OBSERV.)	BULGARIA	47646	T	TATENO	JAPAN
65361	C	SOKODE	TOGO	47672	C	TATEYAMA	JAPAN
63962	C	SONGEA	U REP TANZANIA	96481	T	TAWAU	MALAYSIA
48568	CT	SONGKHLA	THAILAND	37549	CT	TBILISI	USSR
11146	C	SONNBLICK	AUSTRIA	96797	C	TEGAL	INDONESIA
16746	C	SOUADA	GREECE	56739	C	TENGCHONG	CHINA
72535	C	SOUTH BEND/ST. JOSEPH CO., IN.	USA	89053	C	TENIENTE JUBANY E.C.	ARGENTINA
13334	C	SPLIT/MARJAN	YUGOSLAVIA	94238	C	TENNANT CREEK AIRPORT	AUSTRALIA
72785	CT	SPOKANE/INT., WA.	USA	67261	C	TETE	MOZAMBIQUE
72439	C	SPRINGFIELD/CAPITAL, IL.	USA	71867	CT	THE PAS, MAN.	CANADA

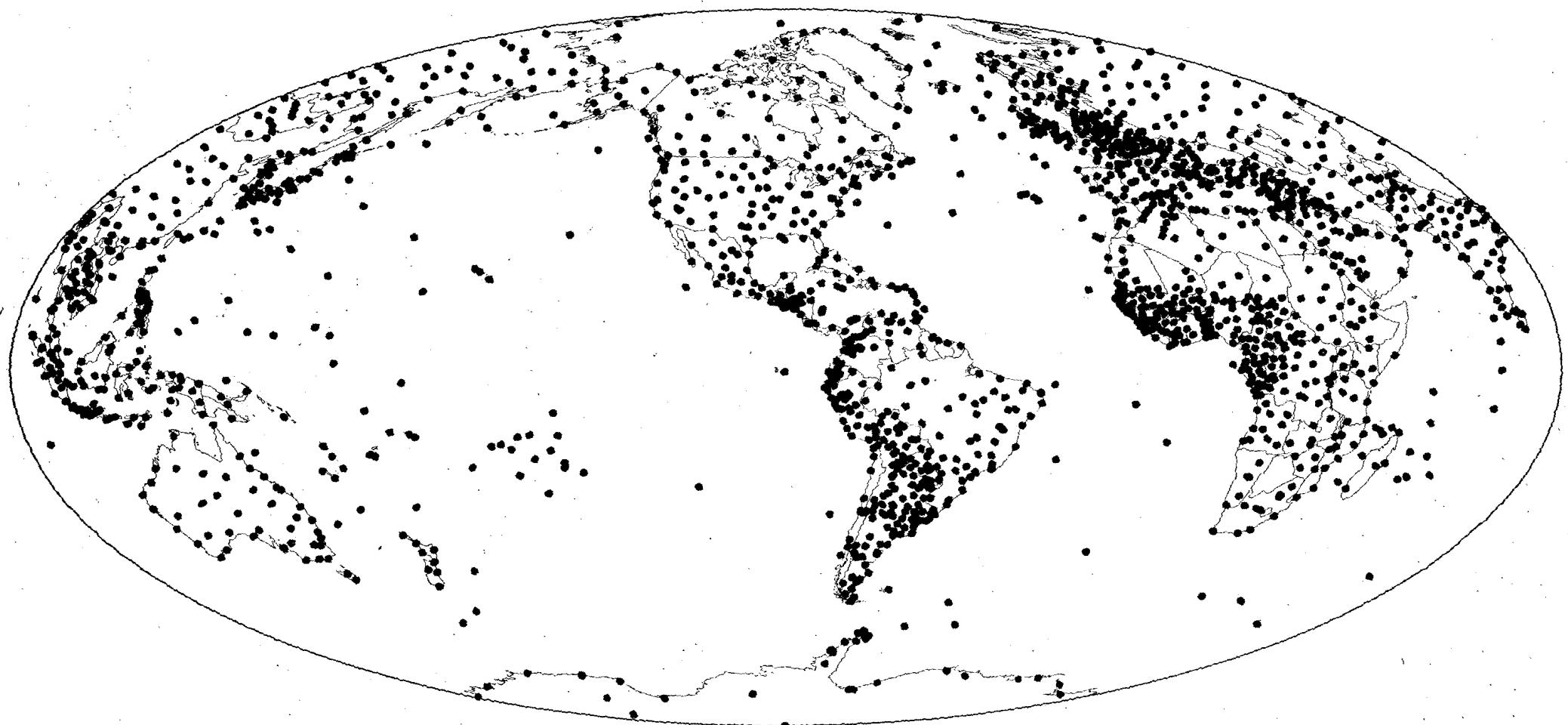
STATION LIST RECENT DATA

16622	C	THESSALONIKI/MIKRA	GREECE	26477	C	VELIKIE LUKI	USSR
06011	CT	THORSHAVN	DENMARK	16105	C	VENEZIA/TESSERA	ITALY
41314	C	THUMRAIT	OMAN	42909	C	VERAVAL	INDIA
94175	C	THURSDAY ISLAND	AUSTRALIA	24266	CT	VERHOJANSK	USSR
60511	C	TIARET	ALGERIA	71115	T	VERNON,B.C.	CANADA
61450	C	TIDJIKJA	MAURITANIA	16090	C	VERONA/VILLAFRANCA	ITALY
61036	C	TILLABERY	NIGER	48112	C	VICTORIA POINT	BURMA
81002	C	TIMEHRI	GUYANA	72255	C	VICTORIA/VICTORIA REG., TX.	USA
60607	C	TIMIMOUN	ALGERIA	87791	C	VIEDMA AERO	ARGENTINA
15247	C	TIMISOARA	ROMANIA	83208	C	VILHENNA	BRAZIL
84534	C	TINGO MARIA	PERU	24641	C	VILJUJSK	USSR
03100	C	TIREE	U KINGDOM	87328	C	VILLA DOLORES AERO	ARGENTINA
13462	C	TITOGRAD/GOLUBOVCI	YUGOSLAVIA	87448	C	VILLA REYNOLDS AERO	ARGENTINA
60531	C	TLEMCEN (ZENATA)	ALGERIA	86233	C	VILLARRICA	PARAGUAY
28275	C	TOBOL'SK	USSR	80234	C	VILLAVICENCIO/VANGUARDIA	COLOMBIA
47662	C	TOKYO	JAPAN	02590	C	VISBY FLYGPLATS	SWEDEN
72536	C	TOLEDO/EXPRESS, OH.	USA	43149	C	VISHAKHAPATNAM	INDIA
61223	C	TOMBOUCTOU	MALI	31960	CT	VLADIVOSTOK	USSR
72456	C	TOPEKA/MUN., KS.	USA	27037	CT	VOLOGDA	USSR
71624	C	TORONTO INT.AIRPORT ONT.	CANADA	34122	C	VORONEZ	USSR
76382	C	TORREON, COAH.	MEXICO	22837	C	VYTEGRA	USSR
60555	C	TOUGGUERT	ALGERIA	72256	C	WACO, MADISON-COOPER, TX.	USA
07630	C	TOULOUSE/BLAGNAC	FRANCE	62751	C	WAD MEDANI	SUDAN
94294	CT	TOWNSVILLE AIRPORT	AUSTRALIA	03377	C	WADDINGTON	U KINGDOM
47747	C	TOYOOKA	JAPAN	62600	C	WADI HALFA	SUDAN
16429	CT	TRAPANI/BIRGI	ITALY	94910	CT	WAGGA AIRPORT	AUSTRALIA
07145	T	TRAPPES	FRANCE	97340	C	WAINGAPU/MAU HAU	INDONESIA
86500	C	TREINTA Y TRES	URUGUAY	47600	CT	WAJIMA	JAPAN
87828	C	TRELEW AERO	ARGENTINA	47401	CT	WAKKANAI	JAPAN
87688	C	TRES ARROYOS	ARGENTINA	09170	C	WARNEMUENDE	GERMAN DEM REP
83618	C	TRES LAGOAS	BRAZIL	12375	C	WARSZAWA-OKECIE	POLAND
16110	C	TRIESTE	ITALY	72405	C	WASHINGTON/NAT., VA.	USA
43418	C	TRINCOMALEE	SRI LANKA	72403	T	WASHINGTON/STERLING, VA.	USA
83650	CT	TRINIDADE (ILHA)	BRAZIL	40400	C	WEJH	SAUDI ARABIA
85154	C	TRINIDAD	BOLIVIA	93434	C	WELLINGTON	N ZEALAND
62010	C	TRIPOLI INT. AIRPORT	LIBYAN ARAB JAMAHIRI	72203	C	WEST PALM BEACH/INT., FL.	USA
43371	CT	TRIVANDRUM	INDIA	71964	CT	WHITEHORSE,Y.T.	CANADA
01025	C	TROMSO/LANGNES	NORWAY	72450	C	WICHITA, KS.	USA
84501	C	TRUJILLO	PERU	61902	T	WIDE AWAKE FIELD (ASCEN.IS)	USA
91334	CT	TRUK, CAROLINE IS.	USA	11035	CT	WIEN/HOHE WARTE	AUSTRIA
91954	C	TUBUAI	FRENCH POLY.	72513	C	WILKES-BARRE-SCRANTON, PA.	USA
72274	C	TUCSON/INT., AZ.	USA	94776	CT	WILLIAMSTOWN AERODROME	AUSTRALIA
87121	C	TUCUMAN AERO	ARGENTINA	94299	CT	WILLIS ISLAND	AUSTRALIA
98233	C	TUGUEGARAO	PHILIPPINES	72767	C	WILLISTON/SLOULIN FIELD, ND.	USA
72356	C	TULSA/INT., OK.	USA	72583	C	WINNEMUCCA/MUN., NV.	USA
84370	C	TUMBES	PERU	71852	C	WINNIPEG INT.AIRPORT, MAN	CANADA
60715	C	TUNIS CARTHAGE	TUNISIA	12497	C	WLODAWA	POLAND
24507	CT	TURA	USSR	47055	C	WONSAN	DPR KOREA
40356	C	TURAIF	SAUDI ARABIA	94659	CT	WOOMERA AERODROME	AUSTRALIA
35358	C	TURGAJ	USSR	12425	T	WROCLAW I	POLAND
02972	C	TURKU	FINLAND	12424	C	WROCLAW II	POLAND
23472	CT	TURUHANSK	USSR	57036	C	XI'AN	CHINA
48407	T	UBON RATCHATHANI	THAILAND	56571	C	XICHANG	CHINA
06447	CT	UCCLE	BELGIUM	85365	C	YACUIBA	BOLIVIA
16045	CT	UDINE/RIVOLTO	ITALY	72781	C	YAKIMA/YAKIMA AIR TERM., WA.	USA
48354	C	UDON THANI	THAILAND	70361	CT	YAKUTAT, AK.	USA
44292	C	ULAN-BATOR	MONGOLIA	64661	C	YALINGA	CENTRAL AFRICAN REP
44212	C	ULAN-GOM	MONGOLIA	47588	C	YAMAGATA	JAPAN
44214	C	ULGI	MONGOLIA	54292	C	YANJI	CHINA
44272	C	ULIASTAI	MONGOLIA	64950	C	YAOUNDE	REP CAMEROON
76225	C	UNIV. DE CHIHUAHUA, CHIH.	MEXICO	91413	C	YAP, CAROLINE IS.	USA
68424	CT	UPINGTON	SOUTH AFRICA	40439	C	YENBO	SAUDI ARABIA
47426	C	URAKAWA	JAPAN	57461	C	YICHANG	CHINA
17270	C	URFA	TURKEY	53614	C	YINCHUAN	CHINA
51463	CT	URUMQI	CHINA	51431	C	YINING	CHINA
87938	C	USHUAIA B.A.	ARGENTINA	64900	C	YOKO	REP CAMEROON
30635	C	UST'-BARGUZIN	USSR	47744	CT	YONAGO	JAPAN
25325	C	UST'-OLOJ	USSR	72525	C	YOUNGSTOWN, OH.	USA
02911	C	VAASA	FINLAND	84425	C	YURIMAGUAS	PERU
85766	C	VALDIVIA	CHILE	76525	C	ZACATECAS,ZAC.(LA BUFA,ZAC)	MEXICO
03953	CT	VALENTIA OBSERVATORY	IRELAND	13129	C	ZAGREB/GRIC	YUGOSLAVIA
08141	C	VALLADOLID	SPAIN	13130	T	ZAGREB/MAKSIMIR	YUGOSLAVIA
03302	C	VALLEY	U KINGDOM	98836	C	ZAMBOANGA	PHILIPPINES
71892	C	VANCOUVER INT. AIRPORT, BC	CANADA	81225	C	ZANDERIJ	SURINAME
01098	C	VARDO	NORWAY	08160	C	ZARAGOZA/AEROPUERTO	SPAIN
15552	C	VARNA	BULGARIA	57083	C	ZHENGZHOU	CHINA

STATION LIST RECENT DATA

57745 C ZHIJIANG	CHINA
41620 C ZHOB	PAKISTAN
61695 C ZIGUINCHOR	SENEGAL
61090 C ZINDER	NIGER
61404 C ZOUE RATE	MAURITANIA
10961 C ZUGSPITZE	GERMANY, FED REP
06660 C ZURICH (TOWN/VILLE)	SWITZ. LIECH.
25400 C ZYRJANKA	USSR

CLIMATIC DATA STATIONS - WORLDWIDE



The following is excerpted from the World Meteorological Organization letter No. M/CLC dated 25 August 1986 and is presented here for the information of contributors to the Monthly Climatic Data for the World.

The National Climatic Data Center (NCDC) Asheville, North Carolina, U.S.A. has designed a new processing system for the data it publishes in the Monthly Climatic Data for the World.

The Global Telecommunication System (GTS) will become the primary data source for the MCDW publication. Data transmitted in the CLIMAT, CLIMAT TEMP, CLIMAT SHIP and CLIMAT TEMP SHIP formats as described in the current WMO Publication No. 306 (Manual on Codes), Volume I will be used in the publication. (In reviewing GTS data exchanged in the past, it has been noticed that some non-standard formats had been used. Such data could be lost if the new automated translator cannot translate them.)

The NCDC plans to decrease the use of NOAA 80-4 and 80-5 forms as sources of data during the 1987 data year. They are not yet prepared to stop using these forms completely, but that is the goal.

There will be an automated method of deciding which data exchanged over the GTS to publish. Stations will appear in the publication if both of the following are true:

- (a) Station data have been transmitted on the GTS in the current CLIMAT, CLIMAT TEMP, CLIMAT SHIP or CLIMAT TEMP SHIP formats. (Data from NOAA Forms 80-4 and 80-5 may be used for some stations during a transition period that should not exceed one year from January 1987.)
- (b) The stations are designated as CLIMAT, CLIMAT TEMP, CLIMAT SHIP or CLIMAT TEMP SHIP stations in the version of WMO Publication No. 9 (Weather Reporting), Volume A that was in effect in the month to which the data relate.

The new MCDW system, like the old system, will require a set of average values to compare with the monthly summary values that are to be published in MCDW. The new system will employ a set of averages for the 30-year period 1951-1980, calculated from data received at the NCDC during those years. This is being done for consistency among Member nations. Sunshine duration alone will be taken from WMO's published 1931-1960 normals.

As will be seen from the above description, the only major planned change in the procedure of preparing the publication is that the CLIMAT messages transmitted on the GTS will become the primary data source for MCDW, the use of the NOAA 80-4 and 80-5 "verification" forms, which are - and shall continue to be - forwarded by air mail to the National Climatic Data Center, will diminish. The aim of this change is to automate procedures and to reduce the time period needed for the preparation of the publication.

In order to ensure a high reliability of the data to be published under the new procedure, I should like to emphasize the particular importance of exercising great care in the preparation of CLIMAT, CLIMAT TEMP, CLIMAT SHIP and CLIMAT TEMP SHIP reports and adhering strictly to the relevant coding and telecommunication procedures laid down in the Manual on Codes (Volume I) (WMO-No. 306) and the Manual on the Global Telecommunication System (WMO-No. 386), respectively. (It will be recalled that Chapter 8 of the Guide to Climatological Practices - WMO No. 100 - also refers to the preparation of CLIMAT reports.)

COVER: The cover maps are long term means analyzed on a miller cylindrical projection of the world. They were prepared by U. S. National Climatic Data Center personnel from a variety of sources, including data from Monthly Climatic Data for the World and ship reports exchanged under WMO Res. 35 (Cg-IV). Since it was not possible to select all data for the same years of record, maps do not represent a "Standard Normal" period, but are generally representative of conditions during 1950's to mid-1970's. However, some ship data as early as the 1850's and land data from the 1890's to 1950's were used to help fill data gaps. The appropriate month's analysis will be shown in each issue. Since the scale is small, these maps can be used only for generalizations over large areas. If detailed statistics are needed, summaries of finer resolution should be used.

National Climatic Data Center
January 1987

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